

# PUBLIC HEALTH REPORTS

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No. 20

## ANTITYPHOID VACCINATION FOR BENEFICIARIES OF THE PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

To aid in the prevention of typhoid fever, the officers of the Public Health and Marine-Hospital Service have been instructed to offer antityphoid vaccination to the beneficiaries of the service.

The beneficiaries are those employed on board in the care, preservation, or navigation of any registered, enrolled, or licensed vessel of the United States or in the service on board of those so engaged, the officers and crews of the Revenue-Cutter Service, the officers and crews of the Lighthouse Establishment, seamen employed on the vessels of the Mississippi River Commission, seamen employed on the vessels of the Engineer Corps of the Army, keepers and crews of the United States Life-Saving Service, officers and seamen on vessels of the Coast and Geodetic Survey, and seamen employed on United States Army transports or other vessels belonging to the Quartermaster's Department when not enlisted men of the Army.

The circular of instruction follows:

[Bureau circular letter No. 2.]

### ANTITYPHOID VACCINATION TO BE OFFERED TO BENEFICIARIES OF THE SERVICE.

TREASURY DEPARTMENT,  
BUREAU OF PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE,  
Washington, May 5, 1911.

#### *Commissioned medical officers and others concerned:*

Experience has shown that the use of antityphoid vaccine affords protection against attacks of typhoid fever, and that the incidence of the disease, particularly among troops, is reduced as a result of its use. It appears advisable, therefore, to render this prophylactic agent available to beneficiaries of the service. Officers are accordingly directed to offer antityphoid vaccination whenever practicable to such beneficiaries, and authorized to administer antityphoid vaccine to those desiring to avail themselves of this privilege. Although the taking of the treatment will be voluntary, some beneficiaries will undoubtedly take advantage of this offer, and by so doing protect not only the traveling public which they serve, but the general public whose water supplies they are liable to infect.

The necessary antityphoid vaccine may be purchased under exigency.

You are directed to acknowledge the receipt of this letter, and in addition render special reports at the end of each fiscal year, giving number of persons who have received preventive inoculations and other pertinent data relative thereto.

WALTER WYMAN, Surgeon General.

# UNITED STATES.

## MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

### SPRINGFIELD, MASS.

#### INFECTIOUS DISEASES—NOTIFICATION, PLACARDING, ISOLATION, DISINFECTION.

**RULE 1.** The following diseases, having been declared by the State board of health to be dangerous to the public health, must be reported immediately to the local board of health upon blanks provided for that purpose. The report, personally signed by the physician in charge of the case, shall state the name, age, and sex of the patient, the disease, duration of the illness, and the exact location of the house or room occupied by the patient: Actinomycosis, Asiatic cholera, chickenpox, diphtheria (membranous croup), glanders, leprosy, malignant pustule, measles (German measles), ophthalmia neonatorum, cerebro-spinal meningitis, scarlet fever (scarlatina), smallpox, tetanus, trachoma, trichinosis, tuberculosis, typhoid fever, typhus fever, whooping cough, yellow fever, anterior poliomyelitis.

Failure to comply with this rule involves a fine of not less than \$50 for each offense. (Sec. 50, chap. 75, revised laws.)

**RULE 2.** Upon receipt by the board of health of the report of the existence of any of the following diseases a warning placard shall be placed upon or near all entrances of the house or apartment where the case is located. Such placards shall only be removed by a representative of the board of health, and any person removing, destroying, or defacing the same shall be liable to a fine of not less than \$10: Asiatic cholera, cerebro-spinal meningitis, diphtheria (membranous croup), glanders, leprosy, malignant pustule, scarlet fever, smallpox, typhus fever, yellow fever, anterior poliomyelitis.

No person except the attending physician and necessary caretakers shall enter any apartment where a person is sick with any of the diseases mentioned in this rule until the warning placard has been removed.

**RULE 3.** When in the opinion of the board of health circumstances demand it, such premises in addition to being placarded may be placed under the constant supervision of the officers of the law, who shall, under the direction of the board of health, prevent the entrance or exit of any person or the removal of any articles from the house while under quarantine.

**RULE 4.** Premises in which are located any of the following diseases will not be placarded or quarantined unless, in the opinion of the board of health, the conditions are such as to require it for the protection of the public health: Actinomycosis, chickenpox, measles, ophthalmia neonatorum, tetanus, trachoma, trichinosis, tuberculosis, typhoid fever, whooping cough.

**RULE 5.** All cases of contagious disease shall be isolated and separated from the rest of the family to the satisfaction of the board of health and such isolation shall be maintained until the patient is declared by the board of health to be free from danger of infecting other persons.

**RULE 6.** In the event that any case of diphtheria, scarlet fever, or other disease dangerous to the public health can not be properly isolated, the board of health may cause such patient to be removed to a hospital provided it can be done without danger to his health.

**RULE 7.** No person sick with any disease dangerous to the public health as mentioned in rule 2 shall be removed at any time except by permission of the board of health. No person suffering from said diseases shall enter any form of public conveyance in the city of Springfield.

**RULE 8.** Upon the removal to a hospital or other place, or upon the discharge by recovery or death of the patient suffering from any of the following diseases, the premises where said disease existed, together with all bedding, clothing, furniture, or other

articles exposed to infection, shall be disinfected by the board of health: Cerebrospinal meningitis, cholera, diphtheria, glanders, leprosy, scarlet fever, smallpox, tuberculosis, typhoid fever, typhus fever, yellow fever, anterior poliomyelitis.

**RULE 9.** No person shall knowingly let or lease any room, house, or apartment in which there has been a patient suffering from the diseases mentioned in rule 1 without having had such house, room, or apartment, and all articles therein liable to infection, previously disinfected to the satisfaction of the board of health. This rule applies to the renting of rooms in hotels, lodging houses, or other apartments.

**RULE 10.** No furniture, wearing apparel, or other articles exposed to the infection from diseases mentioned as dangerous to the public health (rule 1) shall be removed, sold, or given away without having been thoroughly disinfected.

**RULE 11.** No child or other person suffering or convalescent from any of the diseases mentioned in rule 1 shall be permitted to attend any public, private, parochial, Sunday, or other school in the city of Springfield without a written permit from the board of health.

**RULE 12.** Children affected with ringworm, scabies, or impetigo contagiosa will be excluded from school by the medical inspectors of schools until such time as the disease is cured or shows evidence of such treatment as not to be liable to cause infection of other children. Cases so excluded shall only be readmitted upon the written approval of the medical inspector.

**RULE 13.** All children or other persons exposed to the infection of the following diseases shall be excluded from school for the following periods dated from the latest exposure to such infection:

Anterior poliomyelitis, 14 days.  
Chicken pox, 14 days.  
Diphtheria, 8 days.  
Measles, 14 days.

Mumps, 14 days.  
Scarlet fever, 8 days.  
Whooping cough, 14 days.

**RULE 14.** The minimum periods of isolation for the diseases mentioned in rule 13 shall be as follows, reckoned from the date of notification given to the board of health:

(a) Chicken pox, 15 days and thereafter until all scabs have fallen off.

(b) Diphtheria, 15 days and thereafter until two successive negative cultures have been obtained from the site of the disease, secured at least 24 hours apart. When the attending physician has secured a negative culture for release the procuring of subsequent cultures and final discharge of the patient shall be under the direction of the board of health.

(c) Measles, 21 days and thereafter until all catarrhal symptoms have ceased.

(d) Mumps, 21 days and thereafter until all glandular swelling has disappeared.

(e) Scarlet fever, 42 days and thereafter until desquamation is complete and all discharges from mucous membranes have stopped.

(f) Whooping cough, 35 days and thereafter until all spasmodic cough and whooping have ceased.

Anterior poliomyelitis, 28 days. [Regulation board of health as amended June 29 and July 27, 1910.]

#### LYNCHBURG, VA.

##### DRY CLOSETS—CONSTRUCTION OF.

**SECTION 1.**—*Concerning the construction of privies which may hereafter be constructed in the city of Lynchburg.*

(1) *Size and dimensions.*—No privy house shall be constructed of less than the following dimensions, inside measurements: Seven and one-half feet in height, 4 feet in width (from side to side), and 3½ feet in depth (front to rear).

(2) *Material.*—All privies shall be constructed of good quality, dressed, tongue-and-groove ceiling, not less than seven-eighths of an inch in thickness, and no board shall be over 6 inches in width. It is recommended that the house be painted.

(3) *Location on premises.*—All privies shall be so located on the premises as to be readily accessible to the city scavengers.

(4) *Floor.*—The bottom frame of the house shall be not less than 3 by 4 inch heart sills, and the floor shall be of heart pine, tongue-and-groove flooring, laid on that portion of the framework outside of the seat; or the floor, outside of the seat, may be of concrete.

(5) *Roof.*—The roof shall be covered with tin or other water-tight metal material, and shall be painted. If the roof slopes to the rear of the house, it shall project not less than 6 inches beyond the rear wall of the house.

(6) *Door.*—The door shall be of sufficient size, well jointed, and tight fitting, and shall be self-closing.

(7) *Windows.*—For light and ventilation there shall be, near the top of the house, at least one opening, not less than 2 square feet, which shall be covered with wire "fly screening." This opening shall also be provided with a sliding sash.

(8) *Seat.*—The riser for the seat shall be 18 inches in height. The seat shall be provided with a substantial, tight, wood cover, hinged to the back of the house and of sufficient size to cover the opening or openings in the seat.

(9) *Box.*—The night-soil box shall be of 1-inch heart pine and shall be substantially constructed. It shall be of not less than the following dimensions, inside measurements: Forty-two inches in length, 14 inches in width, and 12 inches in depth. Each end of the box shall rest on a cleat dressed on the upper surface and nailed to the bottom framework of the house, so that the box can be easily removed. The box shall clear the sides of the house by 2 inches at each end.

(10) *Box opening.*—The opening for the removal of the night-soil box shall be at the rear of the house. Where practicable, the opening shall abut on a public alley, so that the scavenger may remove the night soil without entering the premises. The opening shall be provided with a tight-fitting let-down, board cover, hinged to the house, and so constructed as to prevent the access of flies to the night soil. This cover shall be provided with a hook or button and shall always be kept closed. For the purpose of ventilation there shall be at each end of the house and immediately over the box an opening not less than 6 inches square. This opening shall be covered with wire "fly-screen" gauze.

(11) Whenever it may be deemed necessary by the health officer, on account of the number of persons living on any premises or in case of public or semipublic places, on account of the number of persons having access to any privy, that there should be on said premises a closet house and box of larger dimensions than above specified, the health officer shall order a house and box of such size and dimensions as he may deem necessary to meet the requirements of the case.

#### SECTION 2.—*Concerning the construction of privies in existence in the city of Lynchburg prior to the adoption of the above rules.*

(1) In the case of existing privies which are not in accordance with the above rules, the owner of the property shall not be required to reconstruct the privy, unless in the opinion of the health officer said privy is a menace to health, but all privies shall comply with the following minimum requirements:

(2) (a) The roof shall be water tight and shall not discharge rain water into the night-soil box.

(b) The house shall be without openings or cracks through which flies may enter. It shall be provided with a tight, self-closing door. It shall have an opening or openings for light and ventilation, which opening or openings shall be screened for the exclusion of flies.

(c) The seat shall have a hinged cover of sufficient size to completely cover the opening or openings in the seat.

(d) There shall be a tightly fitting, let-down, hinged cover, with spring, to drive back in place over the box opening for the exclusion of flies.

(e) The box shall be of tight construction and shall not project beyond the house.

(3) Failure to meet any of the above minimum requirements is hereby declared to constitute a public nuisance and a menace to the public health.

(4) All alterations or repairs which shall hereafter be made on any privy in the city of Lynchburg shall be made in accordance with the requirements under section 1, and whenever it shall become necessary to entirely reconstruct or to change the location of any existing privy, the new privy shall be constructed throughout in conformity with said requirements.

(5) Whenever, in the opinion of the health officer, the condition of any privy is such that it can not be put in sanitary condition, the health officer shall order a new privy constructed throughout in conformity with section 1.

(6) These rules and regulations apply only to property for which no sewer is available. When a sewer is available, connection must be made with the same and proper water-closet must be installed, the old privy being removed at once.

#### SECTION 3.

Every violation of any provision of this ordinance shall be punished by a fine of \$5, and each day that the offense continues, after written notice from the board of health, shall be regarded as a separate offense.

## SECTION 4.

All ordinances or parts of ordinances in conflict with the above are hereby repealed. [Ordinance adopted Dec. 12, 1910.]

**PERTH AMBOY, N. J.****BARBER SHOPS—REGULATION OF.**

(1) All persons or person having, owning, keeping, letting, or conducting a barber's shop in the city of Perth Amboy shall on or before the 1st day of May, 1910, and annually hereafter, procure a permit from the board of health of the city of Perth Amboy, for which permit the sum of \$1 shall be paid.

(2) Every barber's shop in the city of Perth Amboy shall be open at all times for inspection by the board of health.

(3) All who are engaged in the business of haircutting and shaving shall be governed by the following rules, which must be strictly adhered to:

RULE 1.—All barbers' shops shall be kept in a clean and sanitary condition.

RULE 2.—Floors must be kept free from hair and swept or mopped every day, and all furniture and fixtures kept free from dust.

RULE 3.—All combs, razors, mugs, scissors, clippers, hair brushes, shaving brushes, and other tools and appliances shall be sterilized after use on each person by immersion in boiling water or in alcohol of at least 60 per cent strength.

RULE 4.—Clean towels shall be used for each person.

RULE 5.—Towels shall not be dipped in warm water tanks.

RULE 6.—Running hot and cold water must be provided in every barber's shop.

RULE 7.—The use of powder puffs and sponges is prohibited.

RULE 8.—Barbers must thoroughly cleanse their hands immediately before attending each person.

RULE 9.—No alum or other astringent shall be used in stick form; if used at all, it must be in powder form.

RULE 10.—No barber shop shall be used as a dormitory.

(4) On and after May 1, 1910, a printed copy of this supplement shall be placed in a conspicuous place in each and every barber's shop so that it can be plainly seen and read by all patrons of the shop.

(5) Any person or persons violating any of the provisions of this ordinance shall forfeit and pay a penalty of not less than \$2 or more than \$10. [Ordinance board of health adopted Mar. 1, 1910.]

**FORT WAYNE, IND.****GARBAGE—TRANSPORTATION AND CARRYING OF.**

SECTION 1. It shall be unlawful for any person, persons, company, or corporation to carry, convey, haul, or transport along or upon any street or alley of said city any slops, garbage, or refuse matter in an open, leaky, or uncovered wagon or vehicle; but all slops, garbage, or refuse matter shall be carried in tight-covered boxes or wagon beds.

SEC. 2. This ordinance shall include any and every person, firm, or corporation carrying and transporting garbage under contract with said city.

SEC. 3. Any person violating this ordinance shall be deemed guilty of a misdemeanor and on conviction shall be fined in any sum not exceeding fifty dollars (\$50).

SEC. 4. This ordinance shall be in full force and take effect from and after its passage and approval by the mayor and legal publication. [Ordinance passed Oct. 25, 1910.]



## PLAGUE-PREVENTION WORK.

### INFECTED GROUND SQUIRRELS.

During the week ended April 29, 1911, the finding of 4 plague-infected ground squirrels was reported as follows: In Alameda County, Cal., at Carr ranch, 1½ miles northeast of San Leandro, April 17, 1 squirrel and April 18, at M. J. Cull ranch, 7½ miles north of Haywards, 2 squirrels; in San Joaquin County, Cal., April 21, at E. D. Moulton ranch, 1 mile northwest of Ripon, 1 squirrel.

### DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay 2,300 acres of land in Alameda County were covered with poison during the week ended April 29, 1911.

#### Record of Plague Infection.

| Places.                                      | Date of last case of human plague. | Date of last case of rat plague. | Date of last case of squirrel plague. | Total number of rodents found infected since May, 1907. |
|--|------------------------------------|----------------------------------|---------------------------------------|---|
| <b>Cities:</b>                               |                                    |                                  |                                       |   |
| San Francisco.....                           | Jan. 30, 1908.....                 | Oct. 23, 1908.....               | None.....                             | 398 rats.   |
| Oakland.....                                 | Oct. 26, 1909.....                 | Dec. 1, 1908.....                | .....do.....                          | 126 rats.   |
| Berkeley.....                                | Aug. 28, 1907.....                 | None recorded..                  | .....do.....                          | None.   |
| Los Angeles.....                             | Aug. 11, 1908.....                 | .....do.....                     | Aug. 21, 1908.....                    | 1 squirrel.   |
| <b>Counties:</b>                             |                                    |                                  |                                       |   |
| Alameda (exclusive of Oakland and Berkeley). | Sept. 26, 1909.....                | Wood rat, Oct. 17, 1909.         | Apr. 18, 1911.....                    | 102 squirrels, 1 wood rat.                              |
| Contra Costa.....                            | July 21, 1908.....                 | None.....                        | Apr. 3, 1911.....                     | 248 squirrels.  |
| Merced.....                                  | None recorded..                    | .....do.....                     | Mar. 20, 1911.....                    | 3 squirrels.  |
| Monterey.....                                | .....do.....                       | .....do.....                     | June 6, 1910.....                     | 4 squirrels.  |
| San Benito.....                              | June 5, 1910.....                  | .....do.....                     | July 11, 1910.....                    | 20 squirrels.   |
| San Joaquin.....                             | None recorded..                    | .....do.....                     | Apr. 21, 1911.....                    | 12 squirrels.   |
| San Luis Obispo.....                         | .....do.....                       | .....do.....                     | Jan. 29, 1910.....                    | 1 squirrel.   |
| Santa Clara.....                             | Aug. 23, 1910.....                 | .....do.....                     | Oct. 5, 1910.....                     | 23 squirrels.   |
| Santa Cruz.....                              | None recorded..                    | .....do.....                     | May 17, 1910.....                     | 3 squirrels.  |
| Stanislaus.....                              | .....do.....                       | .....do.....                     | Apr. 10, 1911.....                    | 11 squirrels.   |

#### Rats Collected and Examined for Plague Infection.

| Places.            | Week ended—  | Found dead. | Total collected. | Examined. | Found infected. |
|--------------------|--------------|-------------|------------------|-----------|-----------------|
| <b>California:</b> |              |             |                  |           |                 |
| <b>Cities—</b>     |              |             |                  |           |                 |
| Berkeley.....      | Apr. 29..... | .....       | 93               | 160       | .....           |
| Oakland.....       | .....do..... | 11          | 587              | 2490      | .....           |
| San Francisco..... | .....do..... | 17          | 1,700            | 21,236    | .....           |
| <b>Counties—</b>   |              |             |                  |           |                 |
| San Joaquin.....   | .....do..... | .....       | 1                | 41        | .....           |
| <b>Washington:</b> |              |             |                  |           |                 |
| <b>Cities—</b>     |              |             |                  |           |                 |
| Seattle.....       | .....do..... | .....       | 1,097            | 946       | .....           |
| <b>Total.....</b>  |              | 28          | 3,478            | 2,733     | .....           |

<sup>1</sup> Identified, *Mus norvegicus* 71, *Mus musculus* 22.<sup>1</sup>

<sup>2</sup> Identified, *Mus norvegicus* 516, *Mus musculus* 70, *Mus alexandrinus* 1.

<sup>3</sup> Identified, *Mus norvegicus* 990, *Mus rattus* 172, *Mus musculus* 369, *Mus alexandrinus* 169.

<sup>4</sup> Identified, *Mus norvegicus* 1.

## Squirrels Collected and Examined for Plague Infection.

| Places.              | Week ended— | Trapped and shot. | Found dead. | Examined. | Found infected. |
|----------------------|-------------|-------------------|-------------|-----------|-----------------|
| <b>Counties:</b>     |             |                   |             |           |                 |
| Alameda.....         | Apr. 29     | 209               | 5           | 207       | 3               |
| Colusa.....          | do.         | 66                |             | 66        |                 |
| Contra Costa.....    | do.         | 60                |             | 58        |                 |
| Fresno.....          | do.         | 102               |             | 99        |                 |
| Imperial.....        | do.         | 180               |             | 171       |                 |
| Lake.....            | do.         | 43                |             | 43        |                 |
| Los Angeles.....     | do.         | 346               |             | 334       |                 |
| Madera.....          | do.         | 222               |             | 220       |                 |
| Mariposa.....        | do.         | 77                |             | 77        |                 |
| Mendocino.....       | do.         | 21                |             | 21        |                 |
| Merced.....          | do.         | 127               |             | 127       |                 |
| Monterey.....        | do.         | 1,966             | 7           | 1,968     |                 |
| San Benito.....      | do.         | 136               |             | 136       |                 |
| San Joaquin.....     | do.         | 308               |             | 308       | 1               |
| San Luis Obispo..... | do.         | 265               |             | 254       |                 |
| San Mateo.....       | do.         | 79                |             | 71        |                 |
| Santa Clara.....     | do.         | 260               |             | 254       |                 |
| Sonoma.....          | do.         | 7                 |             | 7         |                 |
| Stanislaus.....      | do.         | 147               | 1           | 142       |                 |
| Tehama.....          | do.         | 16                |             | 16        |                 |
| Tulare.....          | do.         | 35                |             | 35        |                 |
| Yolo.....            | do.         | 52                |             | 51        |                 |
| Total.....           |             | 4,724             | 13          | 4,665     | 4               |

## Other Animals Collected and Examined.

| Places.              | Week ended— | Animals collected.              | Examined. | Found infected. |
|----------------------|-------------|---------------------------------|-----------|-----------------|
| <b>California:</b>   |             |                                 |           |                 |
| <b>Cities:</b>       |             |                                 |           |                 |
| San Francisco.....   | Apr. 29     | 18 gophers.....                 | 15        |                 |
| <b>Counties—</b>     |             |                                 |           |                 |
| Alameda.....         | do.         | 1 badger.....                   | 1         |                 |
| Colusa.....          | do.         | 1 rabbit.....                   | 3         |                 |
| Fresno.....          | do.         | 3 rabbits.....                  | 14        |                 |
| Imperial.....        | do.         | 13 rabbits, 1 kangaroo rat..... | 1         |                 |
| Lake.....            | do.         | 1 rabbit.....                   | 3         |                 |
| Madera.....          | do.         | 2 rabbits, 1 badger.....        | 2         |                 |
| Mariposa.....        | do.         | 2 rabbits.....                  | 5         |                 |
| Merced.....          | do.         | 5 rabbits.....                  | 4         |                 |
| Monterey.....        | do.         | 3 rabbits, 1 gopher.....        | 2         |                 |
| San Benito.....      | do.         | 1 gopher, 1 weasel.....         | 10        |                 |
| San Joaquin.....     | do.         | 9 rabbits, 1 gopher.....        | 6         |                 |
| San Luis Obispo..... | do.         | 6 rabbits.....                  | 4         |                 |
| San Mateo.....       | do.         | 4 rabbits.....                  | 2         |                 |
| Stanislaus.....      | do.         | 2 rabbits.....                  |           |                 |
| Total.....           |             |                                 | 73        |                 |

## SMALLPOX IN THE UNITED STATES.

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city and, in some cases, county boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received during Week Ended May 19, 1911.

| Places.                    | Date.              | Cases. | Deaths. | Remarks.   |
|----------------------------|--------------------|--------|---------|--|
| *Alabama:                  |                    |        |         |  |
| Birmingham.....            | May 1-6.....       | 2      |         | From steamship Alamo from<br>New York via Key West and<br>Tampa. |
| Mobile Quarantine Station. | May 8.....         | 1      |         |  |
| Connecticut.....           | Apr. 1-30.....     |        |         | No cases.  |
| Florida:                   |                    |        |         |  |
| Counties—                  |                    |        |         |  |
| Bradford.....              | May 1-6.....       | 1      |         |  |
| Duval.....                 | do.....            | 21     |         |  |
| Escambia.....              | do.....            | 7      |         |  |
| Franklin.....              | do.....            | 1      | 1       |  |
| Leon.....                  | do.....            | 12     |         |  |
| Levy.....                  | do.....            | 1      |         |  |
| Jefferson.....             | do.....            | 2      |         |  |
| Palm Beach.....            | do.....            | 2      |         |  |
| Polk.....                  | do.....            | 7      |         |  |
| Putnam.....                | do.....            | 4      |         |  |
| St. Johns.....             | do.....            | 5      |         |  |
| Total for State.....       |                    | 63     | 1       |  |
| Iowa:                      |                    |        |         |  |
| Counties—                  |                    |        |         |  |
| Benton.....                | Apr. 1-30.....     | 4      |         |  |
| Black Hawk.....            | do.....            | 23     |         |  |
| Fayette.....               | do.....            | 2      |         |  |
| Grundy.....                | do.....            | 1      |         |  |
| Guthrie.....               | do.....            | 1      |         |  |
| Iowa.....                  | do.....            | 1      |         |  |
| Jasper.....                | do.....            | 3      |         |  |
| Jones.....                 | do.....            | 1      |         |  |
| Keokuk.....                | do.....            | 1      |         |  |
| Linn.....                  | do.....            | 24     |         |  |
| Lyon.....                  | do.....            | 1      |         |  |
| Madison.....               | do.....            | 7      |         |  |
| Marshall.....              | do.....            | 9      |         |  |
| Mills.....                 | do.....            | 3      |         |  |
| Montgomery.....            | do.....            | 3      |         |  |
| Plymouth.....              | do.....            | 1      |         |  |
| Polk.....                  | do.....            | 16     |         |  |
| Pottawattamie.....         | do.....            | 5      |         |  |
| Sac.....                   | do.....            | 16     |         |  |
| Warren.....                | do.....            | 2      |         |  |
| Total for State.....       |                    | 124    |         |  |
| Kansas:                    |                    |        |         |  |
| Counties—                  |                    |        |         |  |
| Mitchell.....              | Mar. 1-31.....     | 18     |         | Omitted in report, p. 598.                                       |
| *Kentucky:                 |                    |        |         |  |
| Newport.....               | Apr. 30-May 6..... | 1      |         |  |
| Louisiana:                 |                    |        |         |  |
| New Orleans.....           | Apr. 16-22.....    | 9      |         |  |
|                            | Apr. 30-May 6..... | 6      |         |  |
| Total for State.....       |                    | 15     |         |  |
| Maine:                     |                    |        |         |  |
| Counties—                  |                    |        |         |  |
| Penobscot.....             | Apr. 1-30.....     | 1      |         |  |
| Piscataquis.....           | do.....            | 1      |         |  |
| Total for State.....       |                    | 2      |         |  |
| Massachusetts.....         | Jan. 1-31.....     |        |         | No cases.  |
|                            | Mar. 1-31.....     |        |         | Do.  |
| *Missouri:                 |                    |        |         |  |
| Kansas City.....           | do.....            | 60     |         |  |
| St. Louis.....             | Apr. 30-May 5..... | 2      |         |  |
| Springfield.....           | Apr. 30-May 6..... | 14     |         |  |
| Total for State.....       |                    | 67     |         |  |
| *Nebraska:                 |                    |        |         |  |
| Omaha.....                 | May 1-6.....       | 2      |         |  |



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended May 19, 1911.

| Places.              | Date.          | Cases. | Deaths. | Remarks. |
|----------------------|----------------|--------|---------|----------|
| New Jersey.....      | Apr. 1-30..... |        |         | No case. |
| Ohio:                |                |        |         |          |
| Counties—            |                |        |         |          |
| Adams.....           | do.....        | 25     |         |          |
| Ashland.....         | do.....        | 1      |         |          |
| Clarke.....          | do.....        | 7      |         |          |
| Cuyahoga.....        | do.....        | 1      |         |          |
| Darke.....           | do.....        | 9      |         |          |
| Franklin.....        | do.....        | 2      |         |          |
| Hamilton.....        | do.....        | 6      |         |          |
| Hardin.....          | do.....        | 1      |         |          |
| Lucas.....           | do.....        | 2      |         |          |
| Marion.....          | do.....        | 58     |         |          |
| Scioto.....          | do.....        | 5      |         |          |
| Wood.....            | do.....        | 3      |         |          |
| Total for State..... |                | 120    |         |          |
| Oklahoma:            |                |        |         |          |
| Counties—            |                |        |         |          |
| Beckham.....         | Mar. 1-31..... | 10     |         |          |
| Bryan.....           | do.....        | 10     |         |          |
| Caddo.....           | do.....        | 3      |         |          |
| Carter.....          | do.....        | 3      |         |          |
| Choctaw.....         | do.....        | 5      |         |          |
| Cleveland.....       | do.....        | 10     |         |          |
| Comanche.....        | do.....        | 3      |         |          |
| Creek.....           | do.....        | 28     |         |          |
| Hughes.....          | do.....        | 19     |         |          |
| Jackson.....         | do.....        | 8      |         |          |
| Kingfisher.....      | do.....        | 1      |         |          |
| Kiowa.....           | do.....        | 1      |         |          |
| Le Flore.....        | do.....        | 2      |         |          |
| Lincoln.....         | do.....        | 18     |         |          |
| McClain.....         | do.....        | 4      |         |          |
| McCurtain.....       | do.....        | 8      |         |          |
| Marshall.....        | do.....        | 4      |         |          |
| Noble.....           | do.....        | 2      |         |          |
| Nowata.....          | do.....        | 3      |         |          |
| Okfuskee.....        | do.....        | 6      |         |          |
| Oklahoma.....        | do.....        | 4      |         |          |
| Oklmulgee.....       | do.....        | 6      |         |          |
| Payne.....           | do.....        | 3      |         |          |
| Pontotoc.....        | do.....        | 5      |         |          |
| Roger Mills.....     | do.....        | 1      |         |          |
| Tulsa.....           | do.....        | 7      |         |          |
| Washita.....         | do.....        | 6      |         |          |
| Total for State..... |                | 180    |         |          |
| *South Carolina:     |                |        |         |          |
| Charleston.....      | Apr. 1-30..... | 5      |         |          |
| *Tennessee:          |                |        |         |          |
| Counties—            |                |        |         |          |
| Knox—                |                |        |         |          |
| Knoxville.....       | May 1-6.....   | 3      |         |          |
| Shelby.....          | Apr. 1-30..... | 58     |         |          |
| Total for State..... |                | 61     |         |          |
| Wisconsin:           |                |        |         |          |
| Counties—            |                |        |         |          |
| Barron.....          | Apr. 1-30..... | 1      |         |          |
| Bayfield.....        | do.....        | 2      |         |          |
| Clark.....           | do.....        | 1      |         |          |
| Dane.....            | do.....        | 1      |         |          |
| Douglas.....         | do.....        | 5      |         |          |
| Iowa.....            | do.....        | 15     |         |          |
| La Crosse.....       | do.....        | 3      |         |          |
| Milwaukee.....       | do.....        | 2      |         |          |
| Monroe.....          | do.....        | 2      |         |          |
| Oneida.....          | do.....        | 5      |         |          |
| Price.....           | do.....        | 2      |         |          |
| Rusk.....            | do.....        | 4      |         |          |
| Total for State..... |                | 43     |         |          |

## SMALLPOX IN THE UNITED STATES—Continued.

## Smallpox on steamship at Mobile Quarantine, Alabama.

Passed Assistant Surgeon Fricks reports the removal on May 8 of a case of smallpox from the steamship *Alamo* from New York via Key West and Tampa, Fla.

## Reports Received from Dec. 31, 1910, to May 12, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

| Places.              | Date.               | Cases. | Deaths. | Remarks. |
|----------------------|---------------------|--------|---------|----------|
| <b>*Alabama:</b>     |                     |        |         |          |
| Birmingham.....      | Apr. 2-8.....       | 2      |         |          |
| Montgomery.....      | Dec. 11-Apr. 28.... | 28     |         |          |
| Total for State..... |                     | 30     |         |          |
| <b>California:</b>   |                     |        |         |          |
| Counties—            |                     |        |         |          |
| Alameda.....         | Dec. 1-31.....      | 3      |         |          |
| Imperial.....        | do.....             | 1      |         |          |
| Humboldt.....        | Dec. 1-Jan. 31....  | 2      |         |          |
| Kern.....            | Dec. 1-31.....      | 1      |         |          |
| Los Angeles.....     | do.....             | 1      |         |          |
| Mariposa.....        | Jan. 1-31.....      | 1      |         |          |
| Riverside.....       | Jan. 1-Feb. 28....  | 7      | 1       |          |
| San Bernardino.....  | Jan. 1-31.....      | 3      |         |          |
| San Diego.....       | Dec. 1-Feb. 28....  | 16     | 1       |          |
| San Francisco.....   | do.....             | 11     |         |          |
| San Joaquin.....     | Dec. 1-31.....      | 2      |         |          |
| Santa Clara.....     | Feb. 1-28.....      | 1      |         |          |
| Santa Cruz.....      | do.....             | 1      |         |          |
| Ventura.....         | Jan. 1-31.....      | 9      |         |          |
| Total for State..... |                     | 59     | 2       |          |
| <b>Colorado:</b>     |                     |        |         |          |
| Counties—            |                     |        |         |          |
| Adams.....           | Dec. 1-Jan. 31....  | 6      |         |          |
| Arapahoe.....        | Dec. 1-Feb. 28....  | 19     |         |          |
| Archuleta.....       | Dec. 1-Mar. 31....  | 35     |         |          |
| Boulder.....         | do.....             | 28     |         |          |
| Chaffee.....         | Mar. 1-31.....      | 2      |         |          |
| Conejos.....         | Dec. 1-31.....      | 2      |         |          |
| Costilla.....        | Jan. 1-31.....      | 5      |         |          |
| Delta.....           | Feb. 1-Mar. 31....  | 11     |         |          |
| Denver.....          | Dec. 1-Mar. 31....  | 317    |         |          |
| Douglas.....         | Mar. 1-31.....      | 1      |         |          |
| Eagle.....           | Jan. 1-31.....      | 1      |         |          |
| Elbert.....          | Feb. 1-Mar. 31....  | 21     |         |          |
| El Paso.....         | Dec. 1-Mar. 31....  | 26     |         |          |
| Fremont.....         | do.....             | 12     |         |          |
| Garfield.....        | Jan. 1-31.....      | 4      |         |          |
| Gilpin.....          | do.....             | 1      |         |          |
| Grand.....           | Dec. 1-31.....      | 2      |         |          |
| Gunnison.....        | Mar. 1-31.....      | 1      |         |          |
| Huerfano.....        | Dec. 1-Mar. 31....  | 20     |         |          |
| Jefferson.....       | do.....             | 15     |         |          |
| Kit Carson.....      | Jan. 1-31.....      | 1      |         |          |
| La Plata.....        | Dec. 1-Mar. 31....  | 24     |         |          |
| Larimer.....         | Jan. 1-Mar. 31....  | 99     |         |          |
| Las Animas.....      | Dec. 1-Mar. 31....  | 51     |         |          |
| Lincoln.....         | Mar. 1-31.....      | 2      |         |          |
| Logan.....           | do.....             | 2      |         |          |
| Mineral.....         | Jan. 1-31.....      | 2      |         |          |
| Montezuma.....       | Dec. 1-31.....      | 1      |         |          |
| Montrose.....        | Jan. 1-Mar. 31....  | 15     |         |          |
| Morgan.....          | Dec. 1-Mar. 31....  | 54     |         |          |
| Otero.....           | Feb. 1-Mar. 31....  | 11     |         |          |
| Phillips.....        | Feb. 1-28.....      | 20     |         |          |
| Pueblo.....          | Dec. 1-Mar. 31....  | 6      | 1       |          |
| Rio Grande.....      | Jan. 1-Mar. 31....  | 14     |         |          |
| Saguache.....        | Dec. 1-31.....      | 3      |         |          |
| Sedgwick.....        | Mar. 1-31.....      | 3      |         |          |
| Summit.....          | Feb. 1-28.....      | 1      |         |          |
| Teller.....          | Jan. 1-Mar. 31....  | 9      |         |          |
| Weld.....            | Feb. 1-Mar. 31....  | 10     |         |          |
| Yuma.....            | Mar. 1-31.....      | 1      |         |          |
| Total for State..... |                     | 858    | 1       |          |

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.                         | Date.               | Cases. | Deaths. | Remarks.                                      |
|---------------------------------|---------------------|--------|---------|---|
| Connecticut.....                | Dec. 1-Feb. 28....  |        |         | No cases.                                     |
| *Delaware:                      |                     |        |         |   |
| Reedy Island Quarantine..       | May 1.....          |        |         | One case from s. s. Haverford from Liverpool. |
| District of Columbia.....       | Jan. 15-Apr. 29.... | 14     |         |   |
| Florida:                        |                     |        |         |   |
| Counties—                       |                     |        |         |   |
| Alachua.....                    | Dec. 18-Apr. 22.... | 88     | 1       |   |
| Baker.....                      | Jan. 8-14.....      | 1      |         |   |
| Bradford.....                   | Jan. 16-Apr. 1..... | 7      |         |   |
| Brevard.....                    | Feb. 19-25.....     | 5      |         |   |
| Calhoun.....                    | Jan. 29-Mar. 25.... | 27     |         |   |
| Citrus.....                     | Jan. 8-Mar. 11..... | 2      |         |   |
| Clay.....                       | May 16-22.....      | 11     |         |   |
| Dade.....                       | Dec. 25-Feb. 18.... | 3      |         |   |
| De Soto.....                    | Mar. 1-Apr. 29....  | 5      |         |   |
| Duval.....                      | Jan. 1-Apr. 29....  | 260    | 1       |   |
| Escambia.....                   | .....do.....        | 113    |         |   |
| Franklin.....                   | Jan. 8-Mar. 25....  | 10     |         |   |
| Gadsden.....                    | Dec. 18-Mar. 18.... | 64     |         |   |
| Hamilton.....                   | Mar. 26-Apr. 1..... | 1      |         |   |
| Hillsboro.....                  | Dec. 25-Apr. 29.... | 126    |         |   |
| Jackson.....                    | .....do.....        | 176    |         |   |
| Fernando.....                   | Mar. 19-25.....     | 1      |         |   |
| Jefferson.....                  | Feb. 5-Mar. 18....  | 3      |         |   |
| Lafayette.....                  | Jan. 16-Feb. 4..... | 6      |         |   |
| Lake.....                       | Jan. 22-Apr. 8..... | 11     |         |   |
| Lee.....                        | Jan. 8-Mar. 4.....  | 21     |         |   |
| Leon.....                       | Dec. 18-Apr. 22.... | 132    | 2       |   |
| Levy.....                       | Jan. 29-Mar. 25.... | 3      |         |   |
| Liberty.....                    | Feb. 26-Apr. 15.... | 7      |         |   |
| Madison.....                    | Dec. 18-Jan. 21.... | 19     |         |   |
| Manatee.....                    | Mar. 26-Apr. 1..... | 1      |         |   |
| Nassau.....                     | Jan. 16-21.....     | 2      |         |   |
| Orange.....                     | .....do.....        | 1      |         |   |
| Osceola.....                    | Mar. 25.....        | 3      |         |   |
| Pasco.....                      | Apr. 2-8.....       | 4      |         |   |
| Polk.....                       | Dec. 18-Apr. 29.... | 128    |         |   |
| Putnam.....                     | Feb. 12-Apr. 22.... | 9      |         |   |
| St. John.....                   | Jan. 22-Feb. 11.... | 2      |         |   |
| Santa Rosa.....                 | Jan. 8-Apr. 29....  | 38     |         |   |
| Suwanee.....                    | Jan. 16-21.....     | 1      |         |   |
| Taylor.....                     | Jan. 8-Feb. 4.....  | 140    |         |   |
| Volusia.....                    | Jan. 22-Mar. 4..... | 14     |         |   |
| Wakula.....                     | Mar. 1-31.....      | 2      |         |   |
| Walton.....                     | Dec. 25-Feb. 25.... | 8      |         |   |
| Washington.....                 | Jan. 8-Apr. 8.....  | 8      |         |   |
| Total for State.....            |                     | 1,463  | 4       |   |
| *Georgia:                       |                     |        |         |   |
| Macon.....                      | Mar. 1-31.....      | 10     |         |   |
| Illinois:                       |                     |        |         |   |
| Counties—                       |                     |        |         |   |
| Adams.....                      | Feb. 1-Mar. 31....  | 2      |         |   |
| Bond.....                       | Jan. 1-Feb. 28....  | 2      |         |   |
| Carroll.....                    | Feb. 1-28.....      | 1      |         |   |
| Clay.....                       | Feb. 1-Mar. 31....  | 4      |         |   |
| Clinton.....                    | Mar. 1-31.....      | 30     |         |   |
| Coles.....                      | Dec. 1-Mar. 31....  | 11     |         |   |
| Cook, exclusive of Chicago..... | Dec. 1-Jan. 31....  | 3      |         |   |
| Chicago.....                    | .....do.....        | 20     |         |   |
| Douglas.....                    | Mar. 1-31.....      | 1      |         |   |
| Edgar.....                      | .....do.....        | 5      |         |   |
| Effingham.....                  | Dec. 31-Feb. 28.... | 2      |         |   |
| Jackson.....                    | Mar. 1-31.....      | 5      |         |   |
| Jasper.....                     | Dec. 1-31.....      | 4      |         |   |
| Jefferson.....                  | .....do.....        | 4      |         |   |
| Kane.....                       | Dec. 1-Mar. 31....  | 15     |         |   |
| Livingston.....                 | Mar. 1-31.....      | 1      |         |   |
| McLean.....                     | Jan. 1-Feb. 28....  | 18     |         |   |
| Macoupin.....                   | Feb. 1-Mar. 31....  | 2      |         |   |
| Madison.....                    | Dec. 1-Mar. 31....  | 10     |         |   |
| Massac.....                     | Mar. 1-31.....      | 1      |         |   |
| Peoria.....                     | Dec. 1-Mar. 31....  | 9      |         |   |
| Perry.....                      | Dec. 1-31.....      | 2      |         |   |
| Pulaski.....                    | Mar. 1-31.....      | 2      |         |   |
| Rock Island.....                | .....do.....        | 1      |         |   |

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.                    | Date.               | Cases. | Deaths. | Remarks. |
|----------------------------|---------------------|--------|---------|----------|
| <b>Illinois—Continued.</b> |                     |        |         |          |
| <b>Counties—Continued.</b> |                     |        |         |          |
| Saline.....                | Jan. 1-Feb. 28..... | 8      |         |          |
| Shelby.....                | Mar. 1-31.....      | 3      |         |          |
| Stevenson.....             | Jan. 1-31.....      | 3      |         |          |
| Tazewell.....              | Mar. 1-31.....      | 2      |         |          |
| Union.....                 | Dec. 1-Feb. 28..... | 17     |         |          |
| Vermilion.....             | Jan. 1-Mar. 31..... | 6      |         |          |
| Washington.....            | Feb. 1-28.....      | 1      |         |          |
| Williamson.....            | Jan. 1-31.....      | 1      |         |          |
| Total for State.....       |                     | 196    |         |          |
| <b>Indiana:</b>            |                     |        |         |          |
| <b>Counties—</b>           |                     |        |         |          |
| Adams.....                 | Feb. 1-28.....      | 6      |         |          |
| Allen.....                 | do.....             | 1      |         |          |
| Blackford.....             | do.....             | 3      |         |          |
| Cass.....                  | Jan. 1-Mar. 31..... | 17     | 1       |          |
| Clark.....                 | Mar. 1-31.....      | 9      |         |          |
| Clay.....                  | Feb. 1-Mar. 31..... | 9      |         |          |
| Daviess.....               | Feb. 1-28.....      | 1      |         |          |
| Decatur.....               | Jan. 1-Feb. 28..... | 3      |         |          |
| Dekalb.....                | Dec. 1-Feb. 28..... | 9      |         |          |
| Delaware.....              | Feb. 1-Mar. 31..... | 8      |         |          |
| Elkhart.....               | Dec. 1-31.....      | 5      |         |          |
| Fountain.....              | Mar. 1-31.....      | 2      | 1       |          |
| Greene.....                | Feb. 1-28.....      | 1      |         |          |
| Howard.....                | Dec. 1-Mar. 31..... | 9      |         |          |
| Huntington.....            | Feb. 1-Mar. 31..... | 4      |         |          |
| Jennings.....              | Jan. 1-31.....      | 6      |         |          |
| Knox.....                  | Dec. 1-Mar. 31..... | 11     |         |          |
| Lake.....                  | Mar. 1-31.....      | 1      |         |          |
| Madison.....               | Dec. 1-Mar. 31..... | 181    |         |          |
| Marion.....                | Jan. 1-Mar. 31..... | 2      |         |          |
| Montgomery.....            | Dec. 1-Mar. 31..... | 15     |         |          |
| Monroe.....                | Mar. 1-31.....      | 1      |         |          |
| Noble.....                 | Jan. 1-31.....      | 1      |         |          |
| Posey.....                 | do.....             | 1      |         |          |
| Shelby.....                | Mar. 1-31.....      | 25     |         |          |
| St. Joseph.....            | Feb. 1-Mar. 31..... | 5      |         |          |
| Steuben.....               | Jan. 1-Feb. 28..... | 7      |         |          |
| Sullivan.....              | Mar. 1-31.....      | 1      |         |          |
| Tippecanoe.....            | do.....             | 1      |         |          |
| Vigo.....                  | Jan. 1-Mar. 31..... | 23     |         |          |
| Wabash.....                | Feb. 1-Mar. 31..... | 18     |         |          |
| Warren.....                | Jan. 1-Mar. 31..... | 2      |         |          |
| Wayne.....                 | do.....             | 25     |         |          |
| Wells.....                 | Mar. 1-31.....      | 3      |         |          |
| Total for State.....       |                     | 416    | 2       |          |
| <b>Iowa:</b>               |                     |        |         |          |
| <b>Counties—</b>           |                     |        |         |          |
| Benton.....                | Jan. 1-Mar. 31..... | 9      |         |          |
| Blackhawk.....             | Feb. 1-Mar. 31..... | 5      |         |          |
| Boone.....                 | Feb. 1-28.....      | 1      |         |          |
| Buena Vista.....           | Dec. 1-31.....      | 1      |         |          |
| Carroll.....               | Mar. 1-31.....      | 3      |         |          |
| Cherokee.....              | do.....             | 1      |         |          |
| Dallas.....                | Feb. 1-Mar. 31..... | 3      |         |          |
| Decatur.....               | Mar. 1-31.....      | 2      |         |          |
| Dubuque.....               | Feb. 1-28.....      | 1      |         |          |
| Fremont.....               | Feb. 1-Mar. 31..... | 8      |         |          |
| Guthrie.....               | Jan. 1-Mar. 31..... | 7      |         |          |
| Hancock.....               | Jan. 1-31.....      | 3      |         |          |
| Jefferson.....             |                     |        | 1       |          |
| Johnson.....               | Jan. 1-31.....      | 1      |         |          |
| Lee.....                   | Dec. 1-31.....      | 1      |         |          |
| Linn.....                  | Dec. 1-Mar. 31..... | 98     | 1       |          |
| Lucas.....                 | Jan. 1-31.....      | 1      |         |          |
| Lyon.....                  | Dec. 1-Mar. 31..... | 4      |         |          |
| Mahaska.....               | Feb. 1-28.....      | 1      |         |          |
| Marshall.....              | Dec. 1-Jan. 31..... | 8      |         |          |
| Muscatine.....             | Mar. 1-31.....      | 1      |         |          |
| Page.....                  | Dec. 1-Mar. 31..... | 36     | 1       |          |
| Plymouth.....              | Mar. 1-31.....      | 1      |         |          |
| Polk.....                  | Dec. 1-Feb. 28..... | 22     |         |          |
| Pottawattamie.....         | Jan. 1-Mar. 31..... | 13     |         |          |
| Scott.....                 | Dec. 1-Feb. 28..... | 7      |         |          |
| Sioux.....                 | Feb. 1-Mar. 31..... | 2      |         |          |

Year 1910, in delinquent report received after Jan. 1, 1911.

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.                                     | Date.                | Cases. | Deaths. | Remarks. |
|---|----------------------|--------|---------|----------|
| <b>Iowa—Continued.</b>                      |                      |        |         |          |
| <b>Counties—Continued.</b>                  |                      |        |         |          |
| Tama.....                                   | Mar. 1-31.....       | 1      |         |          |
| Taylor.....                                 | Dec. 1-31.....       | 64     |         |          |
| Union.....                                  | Jan. 1-Feb. 28.....  | 3      |         |          |
| Warren.....                                 | Dec. 1-31.....       | 1      |         |          |
| Webster.....                                | do.....              | 10     |         |          |
| Winnebago.....                              | Jan. 1-31.....       | 1      |         |          |
| Woodbury.....                               | Dec. 1-Mar. 31.....  | 15     |         |          |
| Total for State.....                        |                      | 335    | 3       |          |
| <b>Kansas:</b>                              |                      |        |         |          |
| <b>Counties—</b>                            |                      |        |         |          |
| Pawnee.....                                 | Nov. 1-30.....       | 1      |         |          |
| Reno.....                                   | do.....              | 1      |         |          |
| Allen.....                                  | Dec. 1-Feb. 28.....  | 7      |         |          |
| Anderson.....                               | Jan. 1-31.....       | 1      |         |          |
| Atchison.....                               | Dec. 1-Mar. 31.....  | 32     |         |          |
| Barton.....                                 | Feb. 1-Mar. 28.....  | 2      |         |          |
| Bourbon.....                                | Mar. 1-31.....       | 8      |         |          |
| Brown.....                                  | Dec. 1-Mar. 31.....  | 57     | 1       |          |
| Butler.....                                 | Dec. 1-Jan. 31.....  | 2      |         |          |
| Cherokee.....                               | Dec. 1-Mar. 31.....  | 119    |         |          |
| Clay.....                                   | Dec. 1-Feb. 28.....  | 15     |         |          |
| Cloud.....                                  | Feb. 1-Mar. 31.....  | 76     |         |          |
| Crawford.....                               | Feb. 1-28.....       | 3      |         |          |
| Decatur.....                                | Dec. 1-31.....       | 1      |         |          |
| Dickinson.....                              | Dec. 1-Mar. 31.....  | 34     |         |          |
| Doniphan.....                               | do.....              | 23     |         |          |
| Douglas.....                                | Jan. 1-Feb. 28.....  | 7      |         |          |
| Ford.....                                   | Mar. 1-31.....       | 1      |         |          |
| Greenwood.....                              | Feb. 1-Mar. 31.....  | 92     |         |          |
| Harper.....                                 | Jan. 1-Mar. 31.....  | 20     |         |          |
| Jackson.....                                | Feb. 1-Mar. 31.....  | 11     |         |          |
| Jefferson.....                              | Dec. 1-Mar. 31.....  | 13     |         |          |
| Jewell.....                                 | Jan. 1-31.....       | 17     |         |          |
| Johnson.....                                | Dec. 1-Mar. 31.....  | 34     |         |          |
| Kearny.....                                 | Jan. 1-Mar. 31.....  | 7      |         |          |
| Kingman.....                                | Dec. 1-Feb. 28.....  | 2      |         |          |
| Leavenworth.....                            | Jan. 1-Mar. 31.....  | 11     |         |          |
| Leavenworth.....                            | Dec. 1-Mar. 31.....  | 5      | 1       |          |
| Linn.....                                   | Mar. 1-31.....       | 3      |         |          |
| Lyon.....                                   | Jan. 1-31.....       | 1      |         |          |
| McPherson.....                              | Feb. 1-Mar. 31.....  | 6      |         |          |
| Marion.....                                 | Jan. 1-Feb. 28.....  | 6      |         |          |
| Marshall.....                               | Dec. 1-Mar. 31.....  | 136    |         |          |
| Miami.....                                  | Feb. 1-28.....       | 1      |         |          |
| Montgomery.....                             | Dec. 1-Mar. 31.....  | 30     |         |          |
| Morris.....                                 | Mar. 1-31.....       | 9      |         |          |
| Morton.....                                 | Jan. 1-Feb. 28.....  | 12     |         |          |
| Nemaha.....                                 | Dec. 1-Feb. 28.....  | 8      |         |          |
| Norton.....                                 | Jan. 1-Mar. 31.....  | 5      | 2       |          |
| Osage.....                                  | Dec. 1-Mar. 31.....  | 2      |         |          |
| Ottawa.....                                 | Feb. 1-Mar. 31.....  | 39     |         |          |
| Pottawatomie.....                           | Jan. 1-Mar. 31.....  | 19     |         |          |
| Reno.....                                   | Dec. 1-31.....       | 1      |         |          |
| Republic.....                               | Mar. 1-31.....       | 9      |         |          |
| Riley.....                                  | Jan. 1-31.....       | 8      |         |          |
| Rooks.....                                  | Dec. 1-Mar. 31.....  | 2      | 1       |          |
| Russell.....                                | Jan. 1-Feb. 28.....  | 2      |         |          |
| Saline.....                                 | Jan. 1-Mar. 31.....  | 29     |         |          |
| Sedgwick.....                               | do.....              | 5      |         |          |
| Shawnee.....                                | Dec. 1-Mar. 31.....  | 14     |         |          |
| Sumner.....                                 | Dec. 1-31.....       | 6      |         |          |
| Washington.....                             | Jan. 1-Feb. 28.....  | 5      |         |          |
| Wichita.....                                | Feb. 1-28.....       | 2      |         |          |
| Wilson.....                                 | do.....              | 1      |         |          |
| Wyandotte, exclusive<br>of Kansas City..... | Dec. 1.....          | 15     |         |          |
| Kansas City.....                            | Dec. 1-Mar. 31.....  | 52     |         |          |
| Total for State.....                        |                      | 1,030  | 3       |          |
| <b>*Kentucky:</b>                           |                      |        |         |          |
| Henderson.....                              | Feb. 22-28.....      | 4      |         |          |
| Lexington.....                              | Feb. 26-Apr. 8.....  | 3      |         |          |
| Newport.....                                | Apr. 23-29.....      | 1      |         |          |
| Paducah.....                                | Jan. 23-Apr. 22..... | 33     |         |          |
| Total for State.....                        |                      | 41     |         |          |

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.               | Date.               | Cases. | Deaths. | Remarks.                                 |
|-----------------------|---------------------|--------|---------|--|
| <b>Louisiana:</b>     |                     |        |         |  |
| Parishes—             |                     |        |         |  |
| Ascension.....        | Dec. 1-31.....      | 1      |         |  |
| Calcasieu.....        | Jan. 1-31.....      | 13     | 1       |  |
| East Baton Rouge..... | Dec. 1-31.....      | 25     |         |  |
| East Feliciana.....   | do.....             | 30     |         |  |
| Iberville.....        | do.....             | 6      |         |  |
| Lafourche.....        | Jan. 1-31.....      | 16     |         |  |
| Orleans—              |                     |        |         |  |
| New Orleans.....      | Dec. 18-Apr. 29...  | 197    | 1       |  |
| Rapides.....          | Dec. 1-31.....      | 1      |         |  |
| St. Charles.....      | do.....             | 4      |         |  |
| St. John.....         | do.....             | 1      |         |  |
| Tangipahoa.....       | Nov. 1-Dec. 31..... | 22     |         |  |
| Tensas.....           | Dec. 1-Jan. 31..... | 20     |         |  |
| Washington.....       | do.....             | 5      |         |  |
| Total for State.....  |                     | 341    | 2       |  |
| Maine.....            | Dec. 1-Mar. 31..... |        |         | No cases.                                |
| <b>Maryland:</b>      |                     |        |         |  |
| Counties—             |                     |        |         |  |
| Baltimore.....        | Feb. 1-28.....      | 2      |         |  |
| Garrett.....          | Jan. 1-Feb. 28..... | 10     |         |  |
| Washington.....       | Apr. 1-30.....      | 5      |         |  |
| Total for State.....  |                     | 17     |         | December and March, no cases.            |
| <b>Massachusetts:</b> |                     |        |         |  |
| Counties—             |                     |        |         |  |
| Suffolk.....          | Apr. 1-30.....      | 1      |         | Nov. 1-Jan. 31, and Mar. 1-31, no cases. |
| <b>Michigan:</b>      |                     |        |         |  |
| Counties—             |                     |        |         |  |
| Alcona.....           | Dec. 1-31.....      | 1      |         |  |
| Alger.....            | Dec. 1-Feb. 28..... | 2      |         |  |
| Alpena.....           | Jan. 1-Mar. 31..... | 2      |         |  |
| Antrim.....           | do.....             | 8      |         |  |
| Arenac.....           | Dec. 1-Jan. 31..... | 7      |         |  |
| Bay.....              | do.....             | 2      |         |  |
| Barry.....            | Feb. 1-28.....      | 1      |         |  |
| Calhoun.....          | Dec. 1-Feb. 28..... | 17     | 1       |  |
| Cass.....             | Feb. 1-28.....      | 2      |         |  |
| Charlevoix.....       | Dec. 1-Feb. 28..... | 24     |         |  |
| Cheboygan.....        | Dec. 1-Mar. 31..... | 38     |         |  |
| Chippewa.....         | Mar. 1-31.....      | 1      |         |  |
| Clare.....            | Jan. 1-31.....      | 8      |         |  |
| Clinton.....          | Dec. 1-31.....      | 3      |         |  |
| Crawford.....         | Dec. 1-Jan. 31..... | 6      |         |  |
| Eaton.....            | do.....             | 6      |         |  |
| Emmet.....            | Jan. 1-Mar. 31..... | 84     |         |  |
| Genesee.....          | Dec. 1-Feb. 28..... | 14     |         |  |
| Gladwin.....          | do.....             | 4      | 1       |  |
| Grand Traverse.....   | Dec. 1-Mar. 31..... | 4      |         |  |
| Gratiot.....          | Dec. 1-Feb. 28..... | 10     |         |  |
| Houghton.....         | Feb. 1-28.....      | 5      |         |  |
| Huron.....            | Jan. 1-31.....      | 8      |         |  |
| Ingham.....           | Dec. 1-Mar. 31..... | 4      |         |  |
| Ionia.....            | Jan. 1-Mar. 31..... | 25     |         |  |
| Isabella.....         | Dec. 1-Mar. 31..... | 22     |         |  |
| Kalamazoo.....        | Dec. 1-Jan. 31..... | 6      |         |  |
| Kent.....             | Mar. 1-31.....      | 2      |         |  |
| Keweenaw.....         | Dec. 1-Feb. 28..... | 16     |         |  |
| Lake.....             | Dec. 1-31.....      | 3      |         |  |
| Lapeer.....           | do.....             | 1      |         |  |
| Leelanau.....         | Jan. 1-31.....      | 2      |         |  |
| Livingston.....       | Feb. 1-28.....      | 1      |         |  |
| Mackinac.....         | do.....             | 4      |         |  |
| Macomb.....           | Feb. 1-Mar. 31..... | 14     |         |  |
| Marquette.....        | Dec. 1-Mar. 31..... | 11     |         |  |
| Mason.....            | Mar. 1-31.....      | 2      |         |  |
| Midland.....          | Dec. 1-31.....      | 3      |         |  |
| Missaukee.....        | do.....             | 3      |         |  |
| Monroe.....           | do.....             | 2      |         |  |
| Muskegon.....         | Jan. 1-Mar. 31..... | 2      |         |  |
| Newaygo.....          | Jan. 1-31.....      | 3      |         |  |
| Oceana.....           | Mar. 1-31.....      | 15     |         |  |
| Presque Isle.....     | Dec. 1-Mar. 31..... | 2      |         |  |
| Saginaw.....          | do.....             | 4      | 3       | Not previously reported.                 |



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.                             | Date.               | Cases. | Deaths. | Remarks. |
|-------------------------------------|---------------------|--------|---------|----------|
| <b>Michigan—Continued.</b>          |                     |        |         |          |
| <b>Counties—Continued.</b>          |                     |        |         |          |
| Sanilac.....                        | Jan. 1-Feb. 28....  | 8      |         |          |
| St. Clair.....                      | Dec. 1-Mar. 31....  | 10     |         |          |
| Shiawassee.....                     | Mar. 1-31.....      | 3      |         |          |
| Tuscola.....                        | Mar. 1-31.....      | 1      |         |          |
| Washtenaw.....                      | Dec. 1-Jan. 31....  | 3      |         |          |
| Wayne.....                          | Dec. 1-Mar. 31....  | 6      |         |          |
| Wexford.....                        | do.....             | 6      |         |          |
| Total for State.....                |                     | 457    | 6       |          |
| <b>Minnesota:</b>                   |                     |        |         |          |
| <b>Counties—</b>                    |                     |        |         |          |
| Beltrami.....                       | Dec. 19-Feb. 13.... | 6      |         |          |
| Bigstone.....                       | Dec. 26-Jan. 1....  | 1      |         |          |
| Blue Earth.....                     | Dec. 19-Mar. 20.... | 2      |         |          |
| Dakota.....                         | Feb. 1-Mar. 27....  | 2      |         |          |
| Douglas.....                        | Dec. 5-Jan. 1....   | 3      |         |          |
| Fillmore.....                       | Nov. 27-Mar. 27.... | 2      |         |          |
| Hennepin.....                       | Dec. 3-Apr. 3.....  | 103    |         |          |
| Itasca.....                         | Feb. 20-27.....     | 1      |         |          |
| Kandiyohi.....                      | Jan. 24-30.....     | 1      |         |          |
| Koochiching.....                    | Dec. 5-Feb. 13....  | 12     |         |          |
| Lac qui Parle.....                  | Jan. 10-16.....     | 1      |         |          |
| Le Sueur.....                       | Dec. 26-Mar. 16.... | 5      |         |          |
| Lyon.....                           | Feb. 14-20.....     | 7      |         |          |
| Marshall.....                       | Mar. 1-6.....       | 1      |         |          |
| Murray.....                         | Jan. 17-Apr. 6....  | 7      |         |          |
| Nobles.....                         | Dec. 5-Feb. 27....  | 4      |         |          |
| Norman.....                         | Dec. 12-Mar. 27.... | 26     |         |          |
| Olmstead.....                       | Jan. 10-Feb. 20.... | 6      |         |          |
| Ottertail.....                      | Mar. 7-13.....      | 2      |         |          |
| Pipestone.....                      | Jan. 10-Mar. 27.... | 9      |         |          |
| Pope.....                           | Jan. 3-9.....       | 3      |         |          |
| Ramsey.....                         | Dec. 5-Apr. 3.....  | 213    |         |          |
| Rice.....                           | Feb. 14-20.....     | 1      |         |          |
| Rock.....                           | Feb. 1-6.....       | 1      |         |          |
| St. Louis.....                      | Nov. 27-Feb. 20.... | 9      |         |          |
| Sibley.....                         | Dec. 26-Jan. 16.... | 2      |         |          |
| Steele.....                         | Mar. 1-31.....      | 1      |         |          |
| Todd.....                           | Dec. 5-Apr. 3.....  | 24     |         |          |
| Traverse.....                       | Feb. 1-6.....       | 1      |         |          |
| Wabasha.....                        | Dec. 26-Mar. 6....  | 2      |         |          |
| Wadena.....                         | Dec. 26-Jan. 2....  | 2      |         |          |
| Washington.....                     | Feb. 7-Mar. 20....  | 10     |         |          |
| Winona.....                         | Jan. 17-23.....     | 1      |         |          |
| Total for State.....                |                     | 471    |         |          |
| <b>*Mississippi:</b>                |                     |        |         |          |
| Biloxi.....                         | Mar. 13.....        |        |         | Present. |
| <b>*Missouri:</b>                   |                     |        |         |          |
| Kansas City.....                    | Nov. 1-Apr. 29....  | 228    |         |          |
| St. Joseph.....                     | Feb. 5-18.....      | 16     |         |          |
| St. Louis.....                      | Dec. 18-Apr. 29.... | 73     | 1       |          |
| Springfield.....                    | Feb. 5-Apr. 15....  | 18     |         |          |
| Total for State.....                |                     | 335    | 1       |          |
| <b>Montana:</b>                     |                     |        |         |          |
| <b>Counties—</b>                    |                     |        |         |          |
| Beaverhead.....                     | Jan. 1-Feb. 28....  | 3      |         |          |
| Cascade.....                        | Dec. 1-Feb. 28....  | 14     |         |          |
| Chouteau.....                       | Jan. 1-Feb. 28....  | 8      |         |          |
| Custer.....                         | Dec. 1-Jan. 31....  | 2      |         |          |
| Dawson.....                         | Nov. 1-Feb. 28....  | 5      |         |          |
| Deer Lodge.....                     | do.....             | 16     | 1       |          |
| Gallatin.....                       | Feb. 1-28.....      | 1      |         |          |
| Jefferson.....                      | do.....             | 1      |         |          |
| Lewis and Clark.....                | do.....             | 1      |         |          |
| Missoula.....                       | Jan. 1-31.....      | 2      |         |          |
| Powell.....                         | do.....             | 1      |         |          |
| Ravalli.....                        | Dec. 1-Feb. 28....  | 5      |         |          |
| Silver Bow, exclusive of Butte..... | Nov. 1-Feb. 28....  | 32     |         |          |
| Butte.....                          | do.....             | 54     |         |          |
| Teton.....                          | Jan. 1-Feb. 28....  | 7      |         |          |
| Total for State.....                |                     | 152    | 1       |          |

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.                | Date.               | Cases. | Deaths. | Remarks.                 |
|------------------------|---------------------|--------|---------|--------------------------|
| <b>*Nebraska:</b>      |                     |        |         |                          |
| Lincoln.....           | Dec. 1-Jan. 31..... | 31     | .....   |                          |
| Omaha.....             | Apr. 1-15.....      | 29     | .....   |                          |
| South Omaha.....       | Jan. 1-Apr. 29..... | 21     | .....   |                          |
| Total for State.....   |                     | 81     | .....   |                          |
| <b>New Jersey:</b>     |                     |        |         |                          |
| Counties—              |                     |        |         |                          |
| Bergen.....            | Dec. 1-Mar. 31..... | 3      | .....   |                          |
| Camden.....            | Mar. 1-31.....      | 1      | .....   |                          |
| Middlesex.....         | Jan. 1-31.....      | 1      | .....   |                          |
| Salem.....             | Jan. 1-Feb. 28..... | 27     | .....   |                          |
| Total for State.....   |                     | 32     | .....   |                          |
| <b>New York:</b>       |                     |        |         |                          |
| Counties—              |                     |        |         |                          |
| Allegany.....          | Nov. 1-30.....      | 1      | .....   |                          |
| Chautauqua.....        | Jan. 1-31.....      | 4      | .....   |                          |
| Columbia.....          | do.....             | 1      | .....   |                          |
| Erie.....              | Mar. 1-31.....      | 4      | .....   |                          |
| New York.....          | do.....             | 1      | .....   |                          |
| Niagara.....           | Dec. 1-Jan. 31..... | 2      | .....   |                          |
| Onondaga.....          | Jan. 1-31.....      | 1      | .....   |                          |
| St. Lawrence.....      | Feb. 1-Mar. 31..... | 5      | .....   |                          |
| Steuben.....           | Feb. 1-28.....      | 1      | .....   |                          |
| Tioga.....             | Dec. 1-31.....      | 1      | .....   |                          |
| Tompkins.....          | Nov. 1-30.....      | 1      | .....   |                          |
| Total for State.....   |                     | 22     | .....   |                          |
| <b>North Carolina:</b> |                     |        |         |                          |
| Counties—              |                     |        |         |                          |
| Alamance.....          | Jan. 1-Mar. 31..... | 17     | .....   |                          |
| Beaufort.....          | Dec. 1-Mar. 31..... | 43     | .....   |                          |
| Bertie.....            | Jan. 1-Feb. 28..... | 2      | .....   |                          |
| Bladen.....            | Nov. 1-Mar. 31..... | 125    | .....   | Feb. 1-28, present.      |
| Brunswick.....         | Dec. 1-Mar. 31..... | 56     | .....   |                          |
| Burke.....             | Jan. 1-Mar. 31..... | 5      | .....   |                          |
| Carteret.....          | Nov. 1-Jan. 31..... | 4      | .....   |                          |
| Caswell.....           | Jan. 1-31.....      | 9      | .....   |                          |
| Chatham.....           | Dec. 1-Mar. 31..... | 76     | .....   |                          |
| Cherokee.....          | Feb. 1-28.....      | 15     | .....   | Present.                 |
| Cleveland.....         | Jan. 1-31.....      | .....  | .....   |                          |
| Columbus.....          | Nov. 1-Mar. 31..... | 78     | .....   |                          |
| Craven.....            | Jan. 1-Mar. 31..... | 13     | .....   |                          |
| Cumberland.....        | Nov. 1-Mar. 31..... | 58     | .....   |                          |
| Currituck.....         | Jan. 1-31.....      | 2      | .....   |                          |
| Duplin.....            | Dec. 1-Mar. 31..... | 50     | .....   |                          |
| Durham.....            | Nov. 1-Mar. 31..... | 530    | .....   |                          |
| Edgecombe.....         | Nov. 4-Jan. 31..... | 7      | .....   |                          |
| Forsyth.....           | Mar. 1-31.....      | 3      | .....   |                          |
| Franklin.....          | Nov. 1-30.....      | 1      | .....   |                          |
| Granville.....         | Dec. 1-Feb. 28..... | 28     | .....   |                          |
| Guilford.....          | Mar. 1-31.....      | 15     | .....   |                          |
| Halifax.....           | do.....             | 1      | .....   |                          |
| Harnett.....           | do.....             | 5      | .....   |                          |
| Henderson.....         | Dec. 1-Mar. 31..... | 36     | .....   |                          |
| Hertford.....          | Dec. 1-31.....      | 1      | .....   |                          |
| Iredell.....           | Mar. 1-31.....      | 4      | .....   |                          |
| Jackson.....           | do.....             | 4      | .....   |                          |
| Johnston.....          | Dec. 1-Mar. 31..... | 8      | .....   | Jan. 1-31, present.      |
| Jones.....             | Jan. 1-Mar. 31..... | 14     | .....   |                          |
| Lee.....               | Dec. 1-Mar. 31..... | 11     | .....   |                          |
| Lenoir.....            | Jan. 1-31.....      | 2      | .....   |                          |
| Martin.....            | Nov. 1-Dec. 31..... | 17     | .....   |                          |
| Mecklenburg.....       | Jan. 1-Feb. 28..... | 7      | .....   |                          |
| Nash.....              | Nov. 1-30.....      | 6      | .....   |                          |
| New Hanover.....       | Nov. 1-Mar. 31..... | 717    | .....   |                          |
| Northampton.....       | Jan. 1-Mar. 31..... | 21     | .....   |                          |
| Onslow.....            | Dec. 1-Mar. 31..... | 78     | .....   |                          |
| Orange.....            | Jan. 1-31.....      | 12     | .....   | Feb. 1-28, present.      |
| Pasquotank.....        | Nov. 1-31.....      | 1      | .....   |                          |
| Pender.....            | Nov. 1-Jan. 31..... | 127    | .....   | Feb. 1-Mar. 31, present. |
| Person.....            | Jan. 1-Feb. 28..... | 2      | .....   |                          |
| Pitt.....              | Nov. 1-Feb. 28..... | 34     | .....   |                          |
| Robeson.....           | Nov. 1-Mar. 31..... | 210    | .....   | Feb. 1-28, present.      |
| Rowan.....             | Dec. 1-Feb. 28..... | 5      | .....   |                          |
| Rutherford.....        | Feb. 1-28.....      | 1      | .....   |                          |
| Sampson.....           | Dec. 1-Feb. 28..... | 33     | .....   | Mar. 1-31, present.      |

## SMALLPOX IN THE UNITED STATES—Continued.

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| Places.                   | Date.               | Cases. | Deaths. | Remarks. |
|---------------------------|---------------------|--------|---------|----------|
| North Carolina—Continued. |                     |        |         |          |
| Counties—Continued.       |                     |        |         |          |
| Scotland.....             | Feb. 1-28.....      | 6      |         |          |
| Union.....                | Nov. 1-Mar. 31..... | 7      |         |          |
| Vance.....                | Jan. 1-Mar. 31..... | 32     |         |          |
| Wake.....                 | Nov. 1-Mar. 31..... | 61     |         |          |
| Washington.....           | Jan. 1-31.....      | 2      |         |          |
| Watauga.....              | Feb. 1-28.....      | 1      |         |          |
| Wayne.....                | Dec. 1-Feb. 23..... | 14     |         |          |
| Wilkes.....               | Jan. 1-Feb. 23..... | 2      |         |          |
| Total for State.....      |                     | 2,619  |         |          |
| North Dakota:             |                     |        |         |          |
| Counties—                 |                     |        |         |          |
| Billings.....             | Jan. 1-Mar. 31..... | 27     |         |          |
| Cass.....                 | Dec. 1-31.....      | 1      |         |          |
| Grand Forks.....          | Jan. 1-31.....      | 1      |         |          |
| Lamoure.....              | Feb. 1-28.....      | 6      |         |          |
| McIntosh.....             | Jan. 1-Feb. 28..... | 2      |         |          |
| Morton.....               | Dec. 1-31.....      | 1      |         |          |
| Nelson.....               | Mar. 1-31.....      | 1      |         |          |
| Ramsey.....               | Jan. 1-31.....      | 1      |         |          |
| Steele.....               | Dec. 1-Jan. 31..... | 19     |         |          |
| Stutsman.....             | Jan. 1-Feb. 28..... | 17     |         |          |
| Wells.....                | Mar. 1-31.....      | 1      |         |          |
| Total for State.....      |                     | 77     |         |          |
| Ohio:                     |                     |        |         |          |
| Counties—                 |                     |        |         |          |
| Ashland.....              | Jan. 1-Feb. 28..... | 2      |         |          |
| Butler.....               | Mar. 1-31.....      | 1      |         |          |
| Clark.....                | Jan. 1-Mar. 31..... | 53     | 1       |          |
| Cuyahoga.....             | Mar. 1-31.....      | 4      |         |          |
| Darke.....                | do.....             | 8      |         |          |
| Delaware.....             | Feb. 1-Mar. 31..... | 2      |         |          |
| Franklin.....             | Dec. 1-Feb. 28..... | 12     |         |          |
| Fulton.....               | Jan. 1-31.....      | 4      |         |          |
| Hamilton.....             | Dec. 1-Mar. 31..... | 15     |         |          |
| Lorain.....               | Dec. 1-31.....      | 2      |         |          |
| Lucas.....                | Mar. 1-31.....      | 5      |         |          |
| Marion.....               | do.....             | 13     |         |          |
| Miami.....                | Feb. 1-28.....      | 1      |         |          |
| Monroe.....               | Mar. 1-31.....      | 1      |         |          |
| Montgomery.....           | Jan. 1-Feb. 28..... | 2      |         |          |
| Portage.....              | Dec. 1-31.....      | 1      |         |          |
| Ross.....                 | Jan. 1-31.....      | 1      |         |          |
| Scioto.....               | Mar. 1-31.....      | 3      |         |          |
| Williams.....             | Jan. 1-Mar. 31..... | 4      |         |          |
| Wood.....                 | Mar. 1-31.....      | 1      |         |          |
| Total for State.....      |                     | 135    | 1       |          |
| Oklahoma:                 |                     |        |         |          |
| Counties—                 |                     |        |         |          |
| Adair.....                | Nov. 1-30.....      | 1      |         |          |
| Atoka.....                | Dec. 1-Feb. 28..... | 2      |         |          |
| Beckham.....              | Nov. 1-Feb. 28..... | 70     |         |          |
| Blaine.....               | do.....             | 19     |         |          |
| Bryan.....                | do.....             | 18     |         |          |
| Caldo.....                | Nov. 1-Feb. 28..... | 27     |         |          |
| Canadian.....             | Nov. 1-Jan. 31..... | 34     |         |          |
| Cherokee.....             | Jan. 1-Feb. 28..... | 4      |         |          |
| Choctaw.....              | do.....             | 19     |         |          |
| Cleveland.....            | Feb. 1-28.....      | 3      |         |          |
| Coal.....                 | do.....             | 20     | 1       |          |
| Comanche.....             | Jan. 1-Feb. 28..... | 5      |         |          |
| Custer.....               | Dec. 1-Jan. 31..... | 9      |         |          |
| Garfield.....             | Dec. 1-Feb. 28..... | 2      |         |          |
| Grady.....                | Nov. 1-Feb. 28..... | 7      | 1       |          |
| Green.....                | Nov. 1-30.....      | 1      |         |          |
| Hughes.....               | Nov. 1-Feb. 28..... | 43     |         |          |
| Jackson.....              | Jan. 1-Feb. 28..... | 63     |         |          |
| Johnston.....             | Jan. 1-31.....      | 1      |         |          |
| Kay.....                  | Dec. 1-31.....      | 1      |         |          |
| Kingfisher.....           | Feb. 1-28.....      | 2      |         |          |
| Kiowa.....                | do.....             | 2      |         |          |
| Latimer.....              | Dec. 1-31.....      | 1      |         |          |
| Lincoln.....              | Jan. 1-Feb. 28..... | 53     |         |          |

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.                                | Date.                | Cases. | Deaths. | Remarks.              |
|--|----------------------|--------|---------|-----------------------|
| <b>Oklahoma—Continued.</b>             |                      |        |         |                       |
| <b>Counties—Continued.</b>             |                      |        |         |                       |
| McCurtain.....                         | Jad. 1-Feb. 28.....  | 35     |         |                       |
| McIntosh.....                          | Nov. 1-Dec. 31.....  | 12     |         |                       |
| Major.....                             | Dec. 1-31.....       | 4      |         |                       |
| Marshall.....                          | Nov. 1-30.....       | 8      |         |                       |
| Muskogee.....                          | Feb. 1-28.....       | 1      |         |                       |
| Nowata.....                            | Jan. 1-31.....       | 9      |         |                       |
| Okfuskee.....                          | Jan. 1-Feb. 28.....  | 6      |         |                       |
| Oklahoma.....                          | Dec. 1-Feb. 28.....  | 20     |         |                       |
| Okmulgee.....                          | Jan. 1-Feb. 28.....  | 19     |         |                       |
| Osage.....                             | Dec. 1-Jan. 31.....  | 3      |         |                       |
| Payne.....                             | Feb. 1-28.....       | 3      |         |                       |
| Pittsburg.....                         | Dec. 1-Feb. 28.....  | 4      |         |                       |
| Pontotoc.....                          | Jan. 1-Feb. 28.....  | 3      |         |                       |
| Pottawatomie.....                      | Jan. 1-31.....       | 6      |         |                       |
| Seminole.....                          | Dec. 1-Jan. 31.....  | 9      |         |                       |
| Stephens.....                          | Dec. 1-31.....       | 1      |         |                       |
| Tulsa.....                             | Nov. 1-Jan. 31.....  | 3      |         |                       |
| Washington.....                        | Dec. 1-Feb. 28.....  | 2      |         |                       |
| Washita.....                           | Nov. 1-Feb. 28.....  | 12     |         |                       |
| Woods.....                             | Dec. 1-Jan. 31.....  | 11     |         |                       |
| Total for State.....                   |                      | 578    | 2       |                       |
| <b>Oregon:</b>                         |                      |        |         |                       |
| <b>Counties—</b>                       |                      |        |         |                       |
| Benton.....                            | Dec. 1-31.....       | 1      |         |                       |
| Marion.....                            | do.....              | 9      | 4       |                       |
| Multnomah.....                         | Oct. 1-Nov. 30.....  | 8      |         |                       |
| Polk.....                              | Nov. 1-30.....       | 1      |         |                       |
| Umatilla.....                          | Dec. 1-31.....       | 1      |         |                       |
| Total for State.....                   |                      | 20     | 4       |                       |
| <b>Pennsylvania, entire State.....</b> |                      |        |         |                       |
|  | Oct. 1-31.....       |        |         | No cases.             |
|  | Nov. 1-Mar. 31.....  | 31     | 1       |                       |
| <b>*South Carolina:</b>                |                      |        |         |                       |
| Camden.....                            | Jan. 15-21.....      | 1      |         |                       |
| Charleston.....                        | Feb. 1-Mar. 31.....  | 5      |         |                       |
| Seven Mile.....                        | Mar. 1.....          | 9      | 1       |                       |
| Total for State.....                   |                      | 15     | 1       |                       |
| <b>*Tennessee:</b>                     |                      |        |         |                       |
| <b>Counties—</b>                       |                      |        |         |                       |
| Davidson—                              |                      |        |         |                       |
| Nashville.....                         | Jan. 8-Mar. 18.....  | 6      |         |                       |
| Hamilton—                              |                      |        |         |                       |
| Chattanooga.....                       | Jan. 1-Apr. 29.....  | 10     | 1       |                       |
| Knox—                                  |                      |        |         |                       |
| Knoxville.....                         | Jan. 22-Apr. 22..... | 62     |         |                       |
| Shelby.....                            | Nov. 1-Mar. 31.....  | 344    | 3       |                       |
| Total for State.....                   |                      | 422    | 4       |                       |
| <b>Texas.....</b>                      |                      |        |         |                       |
|  | Feb. 1-28.....       |        | 3       | Reported out of date. |
| <b>Counties—</b>                       |                      |        |         |                       |
| Bell.....                              | do.....              | 1      |         |                       |
| Bowie.....                             | Mar. 1-31.....       | 4      |         |                       |
| Cameron.....                           | Nov. 1-Mar. 31.....  | 110    |         |                       |
| Cherokee.....                          | Jan. 1-Feb. 28.....  | 4      |         |                       |
| Collin.....                            | Jan. 1-31.....       | 20     |         |                       |
| Dallas.....                            | Dec. 1-31.....       | 24     |         |                       |
| Denton.....                            | Mar. 1-31.....       | 2      |         |                       |
| Dewitt.....                            | Feb. 1-28.....       | 4      |         |                       |
| El Paso.....                           | Jan. 1-Feb. 28.....  | 48     | 3       |                       |
| Grimes.....                            | Nov. 1-30.....       | 4      |         |                       |
| Guadalupe.....                         | Jan. 1-31.....       | 5      | 2       |                       |
| Harrison.....                          | Mar. 1-31.....       | 5      |         |                       |
| Henderson.....                         | Nov. 1-Mar. 31.....  | 19     |         |                       |
| Hidalgo.....                           | Dec. 1-31.....       | 1      |         |                       |
| Houston.....                           | Mar. 1-31.....       | 2      |         |                       |
| Jones.....                             | Jan. 1-31.....       | 3      |         |                       |
| Lamar.....                             | Mar. 1-31.....       | 1      |         |                       |
| McLennan.....                          | Nov. 1-Mar. 31.....  | 15     |         |                       |
| Waco.....                              | Jan. 1-31.....       | 7      |         |                       |
| Marion.....                            | Dec. 1-Mar. 31.....  | 38     |         |                       |
| Matagorda.....                         | Jan. 1-31.....       | 5      |         |                       |

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.              | Date.               | Cases. | Deaths. | Remarks. |
|----------------------|---------------------|--------|---------|----------|
| Texas—Continued.     |                     |        |         |          |
| Counties—Continued.  |                     |        |         |          |
| Mitchell.....        | Mar. 1-31.....      | 1      |         |          |
| Nueces.....          | Jan. 1-Feb. 28..... | 4      |         |          |
| Orange.....          | do.....             | 9      |         |          |
| Palo Pinto.....      | Mar. 1-31.....      | 1      |         |          |
| Red River.....       | do.....             | 1      |         |          |
| Refugio.....         | do.....             | 1      |         |          |
| Runnels.....         | Jan. 1-31.....      | 1      |         |          |
| Swisher.....         | Dec. 1-31.....      | 2      |         |          |
| Tarrant.....         | Dec. 1-Mar. 31..... | 12     |         |          |
| Taylor.....          | Jan. 1-31.....      | 1      |         |          |
| Upshur.....          | Mar. 1-31.....      | 6      |         |          |
| Uvalde.....          | Jan. 1-31.....      | 1      |         |          |
| Van Zant.....        | Feb. 1-28.....      | 1      |         |          |
| Willis Point.....    | Nov. 1-Jan. 31..... | 8      | 1       |          |
| Wichita.....         | Mar. 1-31.....      | 10     |         |          |
| Total for State..... |                     | 381    | 9       |          |
| Utah:                |                     |        |         |          |
| Counties—            |                     |        |         |          |
| Beaver.....          | Nov. 1-Mar. 31..... | 134    | 1       |          |
| Boxelder.....        | Jan. 1-Mar. 31..... | 65     |         |          |
| Cache.....           | Nov. 1-Mar. 31..... | 36     |         |          |
| Davis.....           | Dec. 1-Jan. 31..... | 4      |         |          |
| Garfield.....        | Mar. 1-31.....      | 3      |         |          |
| Iron.....            | Nov. 1-Feb. 28..... | 83     |         |          |
| Juab.....            | Nov. 1-Mar. 31..... | 13     |         |          |
| Millard.....         | Nov. 1-Feb. 28..... | 50     |         |          |
| Piute.....           | Jan. 1-31.....      | 14     |         |          |
| Rich.....            | Feb. 1-28.....      | 13     |         |          |
| Salt Lake.....       | Nov. 1-Mar. 31..... | 83     |         |          |
| Sanpete.....         | Dec. 1-Mar. 31..... | 17     |         |          |
| Sevier.....          | Dec. 1-Feb. 28..... | 52     |         |          |
| Utah.....            | Jan. 1-Mar. 31..... | 75     |         |          |
| Washington.....      | Nov. 1-Mar. 31..... | 65     |         |          |
| Weber.....           | do.....             | 68     |         |          |
| Total for State..... |                     | 775    | 1       |          |
| Virginia:            |                     |        |         |          |
| Counties—            |                     |        |         |          |
| Appomattox.....      | Jan. 1-31.....      | 3      |         |          |
| Alexandria.....      | do.....             | 5      |         |          |
| Culpeper.....        | Jan. 1-Feb. 28..... | 4      |         |          |
| Dinwiddie.....       | Jan. 1-31.....      | 1      |         |          |
| Fairfax.....         | Jan. 1-Feb. 28..... | 3      |         |          |
| Fauquier.....        | do.....             | 42     |         |          |
| Frederick.....       | Jan. 1-31.....      | 4      |         |          |
| Lee.....             | Jan. 1-Feb. 28..... | 270    |         |          |
| Loudoun.....         | do.....             | 7      |         |          |
| Lunenburg.....       | Jan. 1-31.....      | 8      |         |          |
| Nansemond.....       | do.....             | 4      |         |          |
| Prince William.....  | Feb. 1-28.....      | 2      |         |          |
| Roanoke.....         | Jan. 1-31.....      | 1      |         |          |
| Southampton.....     | do.....             | 1      |         |          |
| Stafford.....        | do.....             | 10     |         |          |
| Wise.....            | do.....             | 7      |         |          |
| Total for State..... |                     | 372    |         |          |
| Washington:          |                     |        |         |          |
| Counties—            |                     |        |         |          |
| Chelan.....          | Jan. 1-31.....      | 1      |         |          |
| Challam.....         | Jan. 1-Feb. 28..... | 28     |         |          |
| Ferry.....           | Jan. 1-31.....      | 1      |         |          |
| King.....            | Dec. 1-Feb. 28..... | 82     |         |          |
| Lincoln.....         | Feb. 1-28.....      | 1      |         |          |
| Pacific.....         | Jan. 1-31.....      | 1      |         |          |
| Pierce.....          | Dec. 1-Feb. 28..... | 36     |         |          |
| Skagit.....          | Nov. 1-Feb. 28..... | 108    |         |          |
| Snohomish.....       | Dec. 1-Jan. 31..... | 10     |         |          |
| Spokane.....         | Nov. 1-Feb. 28..... | 4      |         |          |
| Stevens.....         | Dec. 1-Feb. 28..... | 2      |         |          |
| Walla Walla.....     | Jan. 1-31.....      | 1      |         |          |
| Whatcom.....         | Jan. 1-Feb. 28..... | 54     |         |          |
| Yakima.....          | do.....             | 3      |         |          |
| Total for State..... |                     | 332    |         |          |

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

| Places.                                | Date.               | Cases. | Deaths. | Remarks. |
|--|---------------------|--------|---------|----------|
| <b>Wisconsin:</b>                      |                     |        |         |          |
| <b>Counties—</b>                       |                     |        |         |          |
| Ashland.....                           | Jan. 1-Feb. 28..... | 6      | .....   |          |
| Barron.....                            | Jan. 1-Mar. 31..... | 5      | .....   |          |
| Buffalo.....                           | Feb. 1-28.....      | 1      | .....   |          |
| Chippewa.....                          | Dec. 1-Mar. 31..... | 12     | .....   |          |
| Dane.....                              | Jan. 1-31.....      | 2      | .....   |          |
| Douglas.....                           | Feb. 1-Mar. 31..... | 7      | .....   |          |
| Dunn.....                              | Dec. 1-Mar. 31..... | 18     | .....   |          |
| Eau Claire.....                        | Feb. 1-28.....      | 4      | .....   |          |
| Green.....                             | Jan. 1-31.....      | 2      | .....   |          |
| Iowa.....                              | Dec. 1-Mar. 31..... | 65     | .....   |          |
| Iron.....                              | Mar. 1-31.....      | 1      | .....   |          |
| Jefferson.....                         | Dec. 1-Jan. 31..... | 10     | .....   |          |
| Lafayette.....                         | Dec. 1-Feb. 28..... | 11     | .....   |          |
| La Crosse.....                         | Dec. 1-Mar. 31..... | 10     | .....   |          |
| Lincoln.....                           | Feb. 1-Mar. 31..... | 2      | .....   |          |
| Milwaukee.....                         | Dec. 1-Feb. 28..... | 10     | .....   |          |
| Monroe.....                            | Mar. 1-31.....      | 1      | .....   |          |
| Oneida.....                            | Dec. 1-Mar. 31..... | 7      | .....   |          |
| Pierce.....                            | Feb. 1-28.....      | 1      | .....   |          |
| Price.....                             | Mar. 1-31.....      | 1      | .....   |          |
| Rusk.....                              | .....do.....        | 1      | .....   |          |
| Sheboygan.....                         | .....do.....        | 1      | .....   |          |
| St. Croix.....                         | Dec. 1-Feb. 28..... | 7      | .....   |          |
| Vernon.....                            | Jan. 1-Feb. 28..... | 10     | .....   |          |
| Vilas.....                             | Dec. 1-31.....      | 1      | .....   |          |
| Walworth.....                          | Jan. 1-31.....      | 1      | .....   |          |
| Washington.....                        | Dec. 1-31.....      | 1      | .....   |          |
| Total for State.....                   |                     | 198    | .....   |          |
| Grand total for the United States..... |                     | 12,316 | 48      |          |

## MORBIDITY AND MORTALITY.

## MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED APRIL 29, 1911.

| Cities.   | Popula-<br>tion,<br>United<br>States,<br>census<br>1910. | Total<br>deaths,<br>from<br>all<br>causes. | Diph-<br>theria. |         | Measles. |         | Scarlet<br>fever. |         | Small-<br>pox. |         | Tuber-<br>culosis. |         | Ty-<br>phoid<br>fever. |         |
|---|--|--|------------------|---------|----------|---------|-------------------|---------|----------------|---------|--------------------|---------|------------------------|---------|
|   |  |  | Cases.           | Deaths. | Cases.   | Deaths. | Cases.            | Deaths. | Cases.         | Deaths. | Cases.             | Deaths. | Cases.                 | Deaths. |
| <i>Cities having over 500,000 inhabitants.</i>            |  |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Baltimore, Md.....  | 558,485  | 179  | 8                | .....   | 132      | .....   | 22                | .....   | .....          | .....   | 30                 | 29      | 14                     | 2       |
| Boston, Mass.....   | 670,585  | 206  | 45               | 2       | 179      | 2       | 44                | 2       | 1              | .....   | 64                 | 19      | 7                      | .....   |
| Chicago, Ill.....   | 2,185,283  | 680  | 150              | 18      | 372      | 6       | 241               | 12      | 15             | .....   | 216                | 80      | 8                      | 3       |
| Cleveland, Ohio.....                                      | 560,663  | 162  | 27               | 3       | 80       | 6       | 138               | 6       | .....          | .....   | 36                 | 24      | 5                      | 4       |
| New York, N. Y.....                                       | 4,766,883  | 1,581                                      | 316              | 31      | 1,071    | 17      | 644               | 33      | .....          | .....   | 512                | 205     | 26                     | 5       |
| Philadelphia, Pa.....                                     | 1,549,008  | 550  | 51               | 13      | 667      | 15      | 39                | 2       | .....          | .....   | 109                | 61      | 13                     | 3       |
| Pittsburg, Pa.....  | 533,905  | 157  | 15               | .....   | 61       | 4       | 15                | 1       | .....          | .....   | 27                 | 20      | 14                     | 2       |
| St. Louis, Mo.....  | 687,029  | 227  | 31               | 1       | 350      | 3       | 118               | 5       | 7              | .....   | 45                 | 20      | 5                      | 1       |
| <i>Cities having from 300,000 to 500,000 inhabitants.</i> |  |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Buffalo, N. Y.....  | 423,715  | .....                                      | 21               | 4       | 37       | .....   | 25                | .....   | .....          | .....   | 15                 | 9       | 9                      | 4       |
| Cincinnati, Ohio.....                                     | 364,463  | 138  | 13               | 2       | 8        | .....   | 68                | 3       | 2              | .....   | 22                 | 29      | 4                      | .....   |
| Detroit, Mich.....  | 465,766  | 138  | 18               | 3       | .....    | .....   | 35                | 3       | .....          | .....   | 6                  | 7       | 1                      | 1       |
| Los Angeles, Cal.....                                     | 319,198  | 106  | 6                | 1       | 22       | .....   | 11                | .....   | 8              | .....   | 13                 | 19      | 2                      | 1       |
| Milwaukee, Wis.....                                       | 373,857  | 108  | 16               | 1       | 7        | .....   | 43                | .....   | 2              | .....   | 19                 | 11      | 11                     | 4       |
| Newark, N. J.....   | 347,469  | 102  | 40               | 1       | .....    | .....   | 33                | .....   | .....          | .....   | 19                 | 16      | 2                      | .....   |
| New Orleans, La.....                                      | 339,075  | 136  | 6                | .....   | 122      | 1       | 9                 | .....   | 4              | .....   | 34                 | 25      | 11                     | 2       |
| San Francisco, Cal.....                                   | 416,912  | 124  | 4                | .....   | 54       | .....   | 15                | .....   | .....          | .....   | 18                 | 12      | 2                      | 2       |
| Washington, D. C.....                                     | 331,009  | 124  | 15               | .....   | 187      | .....   | 4                 | .....   | 8              | .....   | 31                 | .....   | 4                      | .....   |



## MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended April 29, 1911—Continued.

| Cities.  | Popula-<br>tion<br>United<br>States,<br>census<br>1910. | Total<br>deaths,<br>from<br>all<br>causes. | Diph-<br>theria. |         | Measles. |         | Scarlet<br>fever. |         | Small-<br>pox. |         | Tuber-<br>culosis. |         | Ty-<br>phoid<br>fever. |         |
|--|---|--|------------------|---------|----------|---------|-------------------|---------|----------------|---------|--------------------|---------|------------------------|---------|
|  |   |  | Cases.           | Deaths. | Cases.   | Deaths. | Cases.            | Deaths. | Cases.         | Deaths. | Cases.             | Deaths. | Cases.                 | Deaths. |
| Cities having from 200,000 to 300,000 inhabitants. |   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Denver, Colo.....                                  | 213,381   | 85   | 8                | 1       | 48       | 1       | 16                | 1       | 18             | 1       | 13                 | 3       | 1                      | 1       |
| Jersey City, N. J.....                             | 267,779   | 112  | 4                | 2       | 21       | 1       | 9                 | 1       | 26             | 1       | 12                 | 10      | 1                      | 1       |
| Kansas City, Mo.....                               | 248,381   | 80   | 5                | 1       | 1        | 1       | 21                | 1       | 1              | 1       | 13                 | 5       | 3                      | 1       |
| Providence, R. I.....                              | 224,326   | 97   | 3                | 1       | 106      | 1       | 5                 | 1       | 5              | 1       | 12                 | 8       | 4                      | 1       |
| Seattle, Wash.....                                 | 237,194   | 43   |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Cities having from 100,000 to 200,000 inhabitants. |   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Birmingham, Ala.....                               | 132,685   | 49   |                  |         | 34       | 2       | 2                 |         |                |         | 5                  | 3       |                        |         |
| Bridgeport, Conn.....                              | 102,054   | 39   | 1                |         | 18       | 1       | 5                 |         |                |         | 6                  | 6       |                        |         |
| Cambridge, Mass.....                               | 104,839   | 28   | 6                |         | 25       | 1       | 17                |         |                |         | 6                  | 3       |                        |         |
| Columbus, Ohio.....                                | 181,548   | 49   |                  |         | 30       | 1       | 2                 |         |                |         | 5                  | 8       | 2                      |         |
| Dayton, Ohio.....                                  | 116,577   | 35   | 1                |         | 8        | 1       | 2                 |         | 1              |         | 3                  | 3       |                        | 1       |
| Fall River, Mass.....                              | 119,295   | 42   | 3                | 1       | 27       | 4       | 3                 |         |                |         | 5                  | 3       | 2                      |         |
| Grand Rapids, Mich.....                            | 112,571   | 37   |                  |         | 39       | 1       | 9                 |         |                |         | 2                  | 1       | 2                      |         |
| Lowell, Mass.....                                  | 106,294   | 43   |                  |         |          | 1       | 1                 |         |                |         | 7                  | 6       |                        |         |
| Nashville, Tenn.....                               | 110,364   | 49   |                  |         | 3        | 1       | 1                 |         |                |         | 4                  | 6       | 1                      | 1       |
| Oakland, Cal.....                                  | 150,174   | 50   | 2                |         | 6        | 1       | 3                 |         |                |         | 1                  | 5       | 1                      |         |
| Omaha, Nebr.....                                   | 124,096   | 13   | 3                | 1       | 12       | 2       | 2                 |         | 11             |         | 1                  | 2       |                        | 1       |
| Paterson, N. J.....                                | 125,600   | 2  | 2                | 1       |          |         | 24                |         |                |         | 7                  | 1       |                        |         |
| Richmond, Va.....                                  | 127,628   | 40   | 5                |         | 18       |         |                   |         |                |         | 6                  | 6       |                        |         |
| Spokane, Wash.....                                 | 104,402   | 31   | 6                |         | 38       | 1       | 4                 |         | 1              |         | 3                  | 3       |                        |         |
| Toledo, Ohio.....                                  | 168,497   | 55   | 8                |         | 1        |         | 8                 |         |                |         | 1                  | 8       | 3                      | 1       |
| Worcester, Mass.....                               | 145,986   | 41   | 9                | 1       | 15       |         | 6                 |         |                |         | 5                  | 1       | 1                      |         |
| Cities having from 50,000 to 100,000 inhabitants.  |   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Altoona, Pa.....                                   | 52,127  | 10   | 3                |         | 2        |         | 1                 |         | 2              |         |                    |         |                        |         |
| Bayonne, N. J.....                                 | 55,545  | 14   | 2                |         | 10       |         | 4                 |         |                |         | 1                  | 1       |                        |         |
| Brockton, Mass.....                                | 56,878  | 18   | 2                | 1       | 4        |         | 3                 |         |                |         | 1                  | 2       |                        |         |
| Camden, N. J.....                                  | 94,538  |  | 3                | 2       | 4        |         | 4                 |         |                |         |                    | 1       |                        |         |
| Canton, Ohio.....                                  | 50,217  | 10   |                  |         |          |         | 4                 |         |                |         |                    | 1       |                        |         |
| Covington, Ky.....                                 | 53,270  |  |                  |         | 1        |         | 2                 | 2       |                |         |                    | 2       | 2                      |         |
| Des Moines, Iowa.....                              | 86,368  |  |                  |         |          |         | 4                 |         | 8              |         |                    |         |                        |         |
| Duluth, Minn.....                                  | 78,466  | 18   | 2                |         | 14       |         | 5                 | 1       |                |         | 2                  | 4       |                        |         |
| Elizabeth, N. J.....                               | 73,409  | 19   | 4                |         | 2        |         | 18                |         |                |         |                    | 2       |                        |         |
| Erie, Pa.....                                      | 66,525  | 23   | 2                | 1       |          |         | 3                 |         |                |         | 4                  | 3       | 13                     | 4       |
| Evansville, Ind.....                               | 69,647  | 26   | 3                |         | 61       |         | 2                 |         | 4              |         |                    | 1       |                        |         |
| Harrisburg, Pa.....                                | 64,186  | 16   | 8                | 2       | 2        |         |                   |         |                |         | 9                  | 1       |                        |         |
| Hartford, Conn.....                                | 98,915  | 44   | 2                |         | 4        |         | 7                 |         |                |         | 2                  | 5       |                        |         |
| Hoboken, N. J.....                                 | 70,324  |  | 1                |         | 26       |         |                   |         |                |         |                    |         |                        |         |
| Houston, Tex.....                                  | 78,800  | 39   | 1                |         |          |         |                   |         |                |         | 3                  |         | 1                      |         |
| Jacksonville, Fla.....                             | 57,699  | 34   |                  |         | 10       |         | 12                |         | 22             |         |                    | 3       | 1                      |         |
| Johnstown, Pa.....                                 | 35,482  | 14   |                  |         | 4        |         | 2                 |         |                |         |                    | 1       |                        |         |
| Kansas City, Kans.....                             | 82,331  | 31   | 1                | 1       | 19       |         | 4                 |         | 4              |         | 2                  | 6       | 4                      | 2       |
| Lawrence, Mass.....                                | 85,892  | 31   | 2                |         | 6        | 1       | 1                 |         |                |         | 1                  | 3       | 1                      |         |
| Lynn, Mass.....                                    | 89,336  | 29   |                  |         | 9        |         | 1                 |         |                |         | 6                  |         |                        |         |
| Manchester, N. H.....                              | 70,063  | 34   | 1                |         | 10       |         | 1                 |         |                |         |                    | 1       |                        |         |
| New Bedford, Mass.....                             | 96,652  | 32   | 2                |         | 2        |         | 3                 |         | 4              |         |                    | 1       | 1                      | 3       |
| Oklahoma City, Okla.....                           | 64,205  | 21   | 1                |         | 21       |         | 3                 |         | 1              |         | 3                  | 1       |                        |         |
| Passaic, N. J.....                                 | 54,773  | 17   | 1                |         | 4        |         |                   |         |                |         | 1                  | 2       |                        |         |
| Peoria, Ill.....                                   | 66,950  | 19   | 5                |         |          |         | 11                | 1       | 1              |         |                    |         |                        |         |
| Reading, Pa.....                                   | 96,071  | 24   | 6                |         | 15       |         | 10                | 1       |                |         | 2                  | 1       | 2                      | 1       |
| San Antonio, Tex.....                              | 96,614  | 55   | 1                |         | 6        |         |                   |         |                |         |                    | 12      | 2                      |         |
| Schenectady, N. Y.....                             | 72,826  | 19   |                  |         |          |         | 5                 |         |                |         | 4                  | 2       |                        |         |
| Somerville, Mass.....                              | 77,236  | 22   | 2                | 1       | 15       |         | 3                 |         |                |         | 3                  | 2       |                        |         |
| South Bend, Ind.....                               | 53,684  | 14   | 1                |         | 26       |         | 6                 |         |                |         | 1                  |         |                        |         |
| Springfield, Ill.....                              | 51,678  | 20   |                  |         |          |         | 4                 |         |                |         |                    | 2       |                        |         |
| Springfield, Mass.....                             | 88,926  | 31   |                  |         | 26       |         | 7                 |         |                |         | 5                  | 1       |                        |         |
| Tacoma, Wash.....                                  | 83,743  | 24   |                  |         | 2        |         | 6                 |         | 3              |         |                    |         |                        |         |
| Trenton, N. J.....                                 | 96,815  | 39   | 1                |         |          |         | 2                 |         |                |         | 3                  | 2       | 6                      |         |
| Utica, N. Y.....                                   | 74,419  | 21   |                  |         | 5        | 1       | 4                 |         |                |         | 1                  | 1       |                        |         |
| Waterbury, Conn.....                               | 73,141  |  | 1                |         | 4        |         | 13                |         |                |         | 1                  |         |                        |         |
| Wichita, Kans.....                                 | 52,450  | 15   |                  |         | 11       |         | 1                 |         | 7              |         |                    | 1       |                        |         |
| Wilkes-Barre, Pa.....                              | 67,105  | 17   | 3                |         | 2        |         | 1                 |         |                |         | 8                  |         | 1                      |         |
| Wilmington, Del.....                               | 87,411  | 24   |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Yonkers, N. Y.....                                 | 79,803  | 20   | 6                | 1       | 27       |         | 21                | 1       |                |         | 4                  | 1       | 1                      |         |

## MORBIDITY AND MORTALITY—Continued.

*Morbidity and mortality table, cities of the United States, for week ended April 29,  
1911—Continued.*

| Cities.   | Population<br>United States,<br>census<br>1910. | Total<br>deaths,<br>from<br>all<br>causes. | Diph-<br>theria. |         | Measles. |         | Scarlet<br>fever. |         | Small-<br>pox. |         | Tuber-<br>culosis. |         | Ty-<br>phoid<br>fever. |         |
|---|---|--|------------------|---------|----------|---------|-------------------|---------|----------------|---------|--------------------|---------|------------------------|---------|
|   |   |  | Cases.           | Deaths. | Cases.   | Deaths. | Cases.            | Deaths. | Cases.         | Deaths. | Cases.             | Deaths. | Cases.                 | Deaths. |
| Cities having from 25,000<br>to 50,000 inhabitants. |   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Atlantic City, N. J.                                | 46,150  |  | 3                | 1       | 7        |         | 2                 |         |                |         |                    |         |                        |         |
| Austin, Tex.  | 29,860  |  | 3                |         | 1        |         | 1                 |         |                |         | 1                  | 1       | 1                      |         |
| Berkeley, Cal.                                      | 40,434  |  | 5                |         | 5        |         |                   |         |                |         | 1                  | 1       | 1                      |         |
| Binghamton, N. Y.                                   | 48,443  | 19   |                  |         | 49       |         |                   |         |                |         | 2                  | 3       |                        |         |
| Brookline, Mass.                                    | 27,792  | 7  | 2                |         | 10       |         | 1                 |         |                |         | 1                  |         |                        |         |
| Chattanooga, Tenn.                                  | 44,604  |  |                  |         |          |         |                   |         | 2              |         |                    |         |                        |         |
| Chelsea, Mass.                                      | 32,452  | 14   |                  |         | 11       |         | 2                 |         |                |         | 3                  | 2       |                        |         |
| Chicopee, Mass.                                     | 25,401  | 11   |                  |         | 1        |         | 1                 |         |                |         |                    | 3       |                        |         |
| Danville, Ill.                                      | 27,871  | 7  |                  |         |          |         | 2                 |         | 3              |         |                    |         |                        |         |
| Dubuque, Iowa.                                      | 38,494  | 9  |                  |         |          |         | 4                 |         |                |         |                    | 2       |                        |         |
| East Orange, N. J.                                  | 34,371  | 7  | 1                |         | 1        |         |                   | 2       |                |         | 1                  |         |                        |         |
| Elmira, N. Y.                                       | 34,176  | 17   | 1                |         |          |         | 1                 |         |                |         |                    | 1       | 1                      |         |
| Everett, Mass.                                      | 33,484  | 6  |                  |         | 2        |         | 1                 |         |                |         | 1                  |         |                        |         |
| Haverhill, Mass.                                    | 44,115  | 11   | 3                |         | 1        |         |                   |         |                |         | 2                  |         |                        |         |
| Hazleton, Pa.                                       | 25,452  |  | 1                |         |          |         |                   |         |                |         |                    |         |                        |         |
| Kalamazoo, Mich.                                    | 39,437  | 11   | 2                |         | 12       |         | 3                 | 1       |                |         | 1                  | 2       | 1                      |         |
| Knoxville, Tenn.                                    | 36,346  | 17   |                  |         | 6        |         |                   |         | 3              |         |                    | 1       |                        |         |
| La Crosse, Wis.                                     | 30,417  | 9  | 1                |         | 1        |         | 3                 |         | 1              |         | 1                  | 2       |                        |         |
| Lancaster, Pa.                                      | 47,227  | 14   | 2                |         | 1        |         | 5                 |         |                |         | 2                  |         |                        |         |
| Lexington, Ky.                                      | 35,099  | 10   | 1                |         | 12       |         | 1                 |         |                |         | 2                  | 2       |                        |         |
| Lima, Ohio.   | 30,508  | 5  |                  |         | 10       |         |                   |         |                |         |                    | 1       |                        |         |
| Lynchburg, Va.                                      | 29,494  | 12   | 1                |         | 13       |         |                   |         |                |         |                    |         |                        |         |
| Malden, Mass.                                       | 44,404  | 15   |                  |         | 28       |         | 3                 |         |                |         | 3                  | 3       | 4                      | 1       |
| McKeesport, Pa.                                     | 42,694  |  |                  |         | 2        |         |                   |         |                |         | 1                  | 1       |                        |         |
| Meriden, Conn.                                      | 27,265  |  | 3                | 1       | 11       |         | 8                 |         |                |         | 5                  | 2       |                        |         |
| Montgomery, Ala.                                    | 38,136  | 24   |                  |         |          |         |                   |         | 1              |         | 3                  |         |                        |         |
| Mount Vernon, N. Y.                                 | 30,919  | 10   | 6                |         | 1        |         | 4                 |         |                |         | 1                  | 2       |                        |         |
| Newcastle, Pa.                                      | 36,280  | 2  | 2                |         |          |         | 2                 |         |                |         |                    |         | 2                      |         |
| Newport, Ky.  | 30,309  | 17   | 1                |         |          |         | 4                 |         | 1              |         | 5                  |         |                        |         |
| Newton, Mass.                                       | 39,806  | 12   |                  |         | 2        |         | 3                 |         |                |         | 2                  |         | 1                      |         |
| Niagara Falls, N. Y.                                | 30,445  | 8  | 4                |         |          |         |                   |         |                |         | 1                  |         | 8                      |         |
| Orange, N. J.                                       | 29,630  | 13   |                  |         | 10       |         | 7                 | 1       |                |         | 3                  | 2       |                        |         |
| Oshkosh, Wis.                                       | 33,062  | 10   | 2                |         | 11       | 2       |                   |         |                |         | 1                  | 3       |                        |         |
| Pasadena, Cal.                                      | 30,291  | 10   |                  |         |          |         | 1                 |         |                |         |                    | 1       |                        |         |
| Pittsfield, Mass.                                   | 32,121  | 7  |                  |         |          |         | 4                 |         |                |         |                    | 1       |                        |         |
| Portsmouth, Va.                                     | 33,190  | 15   |                  |         | 36       |         | 4                 |         | 4              |         |                    |         |                        |         |
| Poughkeepsie, N. Y.                                 | 27,936  | 10   | 3                |         | 20       | 1       | 8                 |         |                |         | 2                  | 2       | 2                      |         |
| Roanoke, Va.  | 34,874  | 13   | 2                |         | 7        |         | 2                 | 1       |                |         | 1                  | 1       | 1                      |         |
| San Jose, Cal.                                      | 28,946  | 5  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Shenandoah, Pa.                                     | 25,774  | 11   |                  | 1       |          |         |                   | 1       |                |         |                    | 1       |                        |         |
| Sioux City, Iowa.                                   | 47,828  |  |                  |         |          |         | 1                 |         |                |         |                    |         |                        |         |
| South Omaha, Nebr.                                  | 26,259  | 10   |                  |         |          |         | 2                 |         | 4              |         |                    |         |                        |         |
| Springfield, Mo.                                    | 35,201  | 12   | 1                |         |          | 1       |                   |         | 11             |         |                    |         |                        |         |
| Superior, Wis.                                      | 40,384  | 9  | 5                |         |          |         |                   |         | 1              |         |                    | 1       |                        | 1       |
| Taunton, Mass.                                      | 34,259  | 14   |                  |         | 1        |         |                   | 2       |                |         |                    | 1       | 1                      |         |
| Waltham, Mass.                                      | 27,834  | 11   | 1                |         | 1        |         |                   |         |                |         | 1                  | 1       |                        |         |
| West Hoboken, N. J.                                 | 35,403  | 11   | 8                |         | 15       |         | 7                 |         |                |         |                    |         |                        |         |
| Wheeling, W. Va.                                    | 41,641  | 19   | 1                |         | 90       | 2       |                   | 1       |                |         | 2                  | 4       | 2                      |         |
| Williamsport, Pa.                                   | 31,860  | 12   |                  |         | 1        |         |                   | 1       |                |         | 1                  | 1       |                        |         |
| Zanesville, Ohio.                                   | 28,026  | 7  |                  |         |          |         | 3                 |         |                |         |                    | 1       | 8                      | 1       |
| Cities having less than<br>25,000 inhabitants.      |   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Ann Arbor, Mich.                                    | 14,817  | 11   | 1                |         | 11       |         |                   |         | 3              |         |                    | 1       |                        |         |
| Beaver Falls, Pa.                                   | 12,191  | 3  | 2                | 1       | 2        |         |                   |         |                |         |                    |         |                        |         |
| Braddock, Pa.                                       | 19,357  | 10   | 1                |         | 18       |         | 2                 |         |                |         |                    |         | 1                      |         |
| Butler, Pa.   | 20,728  | 8  |                  |         |          |         |                   |         |                |         | 4                  |         |                        |         |
| Cambridge, Ohio.                                    | 11,327  | 1  |                  |         | 1        |         |                   |         |                |         |                    |         |                        |         |
| Carbondale, Pa.                                     | 17,040  | 8  |                  |         | 1        |         | 3                 |         |                |         |                    |         |                        |         |
| Clinton, Mass.                                      | 13,075  | 8  |                  |         |          |         | 2                 |         |                |         | 1                  | 2       |                        |         |
| Coffeyville, Kans.                                  | 12,687  | 5  | 1                |         | 4        |         | 1                 |         |                |         |                    |         | 2                      |         |
| Columbus, Ga.                                       |   | 6  |                  |         | 1        |         |                   |         |                |         |                    | 1       |                        |         |
| Columbus, Ind.                                      |   | 1  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Concord, N. H.                                      | 21,497  | 3  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Cumberland, Md.                                     | 21,839  | 9  |                  |         |          |         |                   |         |                |         |                    | 1       |                        |         |
| Dunkirk, N. Y.                                      |   | 2  |                  |         |          |         |                   |         |                |         |                    |         | 3                      |         |
| Freeport, Ill.                                      | 17,567  | 8  | 3                |         |          |         |                   |         |                |         |                    |         |                        |         |

## MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended April 29, 1911—Continued.

| Cities.  | Population<br>United<br>States,<br>census<br>1910. | Total<br>deaths,<br>from<br>all<br>causes. | Diph-<br>theria. |         | Measles. |         | Scarlet<br>fever. |         | Small-<br>pox. |         | Tuber-<br>culosis. |         | Ty-<br>phoid<br>fever. |         |
|--|--|--|------------------|---------|----------|---------|-------------------|---------|----------------|---------|--------------------|---------|------------------------|---------|
|  |  |  | Cases.           | Deaths. | Cases.   | Deaths. | Cases.            | Deaths. | Cases.         | Deaths. | Cases.             | Deaths. | Cases.                 | Deaths. |
| Cities having less than<br>25,000 inhabitants—<br>Continued. |  |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Galesburg, Ill.  | 20,089   | 3  | 2                |         |          |         | 1                 |         |                |         |                    |         |                        |         |
| Gloucester, Mass.  | 24,398   | 2  |                  |         |          |         |                   |         |                |         |                    | 1       |                        |         |
| Greensboro, N. C.  | 15,895   | 5  |                  |         |          |         |                   |         | 1              |         |                    |         |                        |         |
| Harrison, N. J.  | 14,498   | 4  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Homestead, Pa.   | 18,713   | 6  |                  |         | 13       | 1       | 1                 |         |                |         |                    |         |                        |         |
| Hyde Park, Mass.   | 15,507   | 1  |                  |         |          |         | 4                 |         |                |         |                    |         |                        |         |
| Kearny, N. J.  | 18,659   | 3  |                  |         | 1        |         | 1                 |         |                |         | 1                  |         |                        |         |
| Kokomo, Ind.   | 17,010   | 2  | 1                |         | 2        |         | 1                 |         | 13             |         | 2                  |         |                        |         |
| La Fayette, Ind.   | 20,081   | 7  |                  |         |          |         | 2                 |         |                |         |                    |         |                        |         |
| Manitowoc, Wis.  | 12,381   | 0  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Marinette, Wis.  | 13,027   | 5  |                  |         |          |         |                   |         |                |         |                    | 1       | 1                      |         |
| Marlboro, Mass.  | 14,579   | 7  |                  |         |          |         |                   |         |                |         |                    |         | 1                      | 1       |
| Massillon, Ohio.   | 13,879   | 2  |                  |         | 1        |         |                   |         |                |         |                    |         |                        |         |
| Medford, Mass.   | 23,150   | 8  | 2                | 1       | 19       |         |                   |         |                |         |                    |         |                        |         |
| Melrose, Mass.   | 15,715   | 3  |                  |         | 6        |         | 1                 |         |                |         |                    |         |                        |         |
| Moline, Ill.   | 24,199   | 7  | 1                |         | 15       |         | 6                 |         |                |         |                    |         |                        |         |
| Montclair, N. J.   | 21,550   | 11   |                  |         | 2        |         | 5                 |         |                |         | 2                  |         | 1                      |         |
| Morristown, N. J.  | 12,507   | 11   | 2                |         |          |         | 1                 |         |                |         |                    |         |                        |         |
| Nanticoke, Pa.   | 18,877   | 4  | 2                |         |          |         | 1                 |         |                |         |                    |         |                        |         |
| Newburyport, Mass.   | 14,949   | 8  | 1                |         |          |         |                   |         |                |         |                    | 1       |                        |         |
| North Adams, Mass.   | 22,019   |  |                  |         |          |         | 1                 |         |                |         |                    | 2       |                        |         |
| Northampton, Mass.   | 19,431   | 7  |                  |         | 1        |         |                   |         |                |         | 1                  | 4       | 1                      |         |
| Ottumwa, Iowa.   | 22,012   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Paducah, Ky.   | 22,760   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Palmer, Mass.  |  | 1  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Peekskill, N. Y.   |  | 6  | 1                |         | 30       |         | 3                 |         |                |         | 1                  | 2       |                        |         |
| Plainfield, N. J.  | 20,550   | 5  | 2                |         | 6        |         | 1                 |         |                |         |                    | 1       | 1                      |         |
| Portsmouth, N. H.  | 11,209   |  |                  |         | 3        |         |                   |         |                |         |                    |         |                        |         |
| Pottstown, Pa.   |  | 4  |                  |         | 1        |         | 3                 | 1       |                |         |                    |         |                        |         |
| Rock Island, Ill.  |  |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Rutland, Vt.   | 13,546   |  |                  |         |          |         | 1                 |         |                |         |                    |         |                        |         |
| Sandusky, Ohio.  |  | 13   |                  |         |          |         |                   |         |                |         |                    |         | 1                      |         |
| Saratoga Springs, N. Y.                                      |  | 3  |                  |         | 2        |         |                   |         |                |         |                    |         |                        |         |
| South Bethlehem, Pa.   | 19,973   | 10   |                  |         | 3        |         |                   |         |                |         |                    | 1       | 2                      |         |
| Steelton, Pa.  | 14,246   | 3  |                  | 2       |          |         | 2                 |         |                |         | 7                  |         |                        |         |
| Wilkinsburg, Pa.   | 18,294   |  |                  |         |          |         |                   |         |                |         |                    |         |                        |         |
| Woburn, Mass.  | 15,308   | 3  |                  |         | 1        |         |                   |         |                |         |                    |         | 1                      |         |

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

CONNECTICUT—*Stamford*.—Month of April, 1911. Population 25,138. Total number of deaths from all causes 42. No deaths from contagious diseases. Cases reported: Measles 11, scarlet fever 3, tuberculosis 8, typhoid fever 2.

FLORIDA.—Week ended April 29, 1911. Reports from the State board of health show diphtheria present in 4 localities with 10 cases, smallpox in 7 counties with 70 cases, malaria in 6 localities with 38 cases, tuberculosis in 8 localities with 22 cases, typhoid fever in 6 localities with 11 cases.

INDIANA—*Indianapolis*.—Two weeks ended April 16, 1911. Population 233,650. Total number of deaths from all causes 99, including

tuberculosis 13, typhoid fever 1. Cases reported: Diphtheria 5, measles 19, scarlet fever 11, tuberculosis 3.

Two weeks ended April 30, 1911. Total number of deaths from all causes 75, including tuberculosis 5, typhoid fever 1. Cases reported: Diphtheria 4, measles 24, scarlet fever 23, tuberculosis 13.

IOWA.—Month of March, 1911. Population 2,224,771. Total number of deaths from all causes 2,145, including diphtheria 13, measles 25, scarlet fever 12, smallpox 1, tuberculosis 150, typhoid fever 11.

LOUISIANA—*Shreveport*.—Month of April, 1911. Population 28,015. Total number of deaths from all causes 78, including measles 1, tuberculosis 9, typhoid fever 3.

NEW JERSEY.—Month ended April 10, 1911. Population 2,537,167. Total number of deaths from all causes 3,631, including diphtheria 64, measles 38, scarlet fever 37, tuberculosis 475, typhoid fever 18.

NEW YORK.—Month of March, 1911. Population 9,113,614. Total number of deaths from all causes 14,227, including diphtheria 195, measles 121, scarlet fever 190, tuberculosis 1,466, typhoid fever 90. Cases reported: Diphtheria 1,764, measles 6,571, scarlet fever 4,105, smallpox 6, tuberculosis (pulmonary or laryngeal), 3,205, typhoid fever 429.

Rome.—Month of April, 1911. Population 20,400. Total number of deaths from all causes 51. No deaths from contagious diseases. Cases reported: Diphtheria 5, measles 99, scarlet fever 59, tuberculosis 4.

NORTH CAROLINA.—Month of February, 1911. Reports from the State board of health show diphtheria present in 34 counties, measles in 40 counties, scarlet fever in 24 counties, smallpox in 35 counties, typhoid fever in 25 counties, malarial fever (pernicious), in 2 counties, malarial fever (hemorrhagic), in 1 county.

PENNSYLVANIA.—Morbidity, month of March, 1911. Cases of communicable diseases reported 15,369, distributed as follows: Poliomyelitis 17, cerebro-spinal meningitis 16, chicken pox 935, diphtheria 1,179, epidemic dysentery 2, erysipelas 241, German measles 77, measles 5,997, mumps 1,003, pellagra 1, pneumonia 1,096, puerperal fever 13, scarlet fever 1,176, smallpox 8, tetanus 8, trachoma 16, trichiniasis 1, tuberculosis 1,414, typhoid fever 695, whooping cough 1,474.

WISCONSIN.—Months of October, November, December, 1911. Population 2,333,860. Total number of deaths from all causes 6,887; including diphtheria 135, measles 15, scarlet fever 39, tuberculosis 579, typhoid fever 168. Cases reported: Diphtheria 786, measles 576, scarlet fever 1,036, smallpox 109, tuberculosis 227, typhoid fever 433.

## FOREIGN AND INSULAR.

### CANADA.

#### Smallpox in Province of Quebec—Vaccination.

Vice Consul General Gorman at Montreal reports, April 28: According to information received from the provincial board of health there are about 300 cases of smallpox present in the Province of Quebec. General compulsory vaccination has been ordered by the board of health.

### CHINA.

#### AMOY—Plague.

The American consul reports May 16 the presence of plague at Amoy.

#### Typhus fever.

Vice Consul Gilbert at Nanking reports April 15:

Typhus fever is prevalent in the famine districts of Anhui and Kiang-su Provinces.

### CUBA.

#### HABANA—Cerebro-spinal Meningitis—Transmissible Diseases.

Acting Asst. Surg. Villoldo reports, May 9:

During the week ended May 6 a case of cerebro-spinal meningitis in the convalescent stage was landed at Habana from the steamship *Manuel Calvo* from Genoa and Spanish ports via Canary Islands and Porto Rico. The *Manuel Calvo* left for New York May 6.

The following statement of transmissible diseases in the island was issued by the national department of sanitation:

APR. 1-10, 1911.

|                             | New cases. | Deaths. | Under treatment. |
|-----------------------------|------------|---------|------------------|
| Tuberculosis.....           | 61         | 67      | 2,505            |
| Leprosy.....                | 4          | 1       | 354              |
| Malaria.....                | 56         | 5       | 124              |
| Typhoid fever.....          | 27         | 6       | 52               |
| Diphtheria.....             | 35         | 3       | 25               |
| Scarlet fever.....          | 15         | 1       | 32               |
| Measles.....                | 167        | 3       | 386              |
| Varicella.....              | 63         | .....   | 102              |
| Tetanus in the newborn..... | 6          | 6       | 1                |

### GREECE.

#### Cerebro-spinal meningitis.

Consul General Gale reports April 15 and 22:

Cerebro-spinal meningitis is present in Athens and Piraeus in epidemic form. From April 1 to 15 there were reported 21 deaths from the disease.



Consul Cooke at Patras reports May 3:

The epidemic of cerebro-spinal meningitis at Patras is abating, but there are many infected points in the consular district.

# HAWAII.

## Smallpox at Honolulu.

Chief Quarantine Officer Ramus reports, May 11: A case of smallpox occurred at Honolulu May 4 in the person of a Porto Rican. Four children of the patient had evidently recovered from smallpox. The cases gave a typical history and covered about two months in duration.

## Record of Plague Infection.

Last case of human plague at Honolulu occurred July 12, 1910.

The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 12, 1910.

At Hilo the last case of human plague occurred March 23, 1910. A fatal case occurred at Honokaa, 60 miles from Hilo, December 17, 1910; 2 fatal cases were reported January 31, 1911; and 1 fatal case was reported April 19.

The last plague-infected rat was found at Honokaa, February 2, 1911.

Chief Quarantine Officer Ramus reports, April 24:

# HONOLULU.

Week ended Apr. 22, 1911.

|  |       |
|--|-------|
| Total rats and mongoose taken.....     | 733   |
| Rats trapped.....                      | 716   |
| Mongoose trapped.....                  | 17    |
| Examined bacteriologically.....        | 614   |
| Classification of rats trapped:        |       |
| <i>Mus alexandrinus</i> .....          | 77    |
| <i>Mus musculus</i> .....              | 242   |
| <i>Mus norvegicus</i> .....            | 47    |
| <i>Mus rattus</i> .....                | 350   |
| Average number of traps set daily..... | 1,720 |

# INDIA.

## CALCUTTA—Cholera, Plague, and Smallpox.

Acting Asst. Surg. Allan reports, April 6 and 13:

During the week ended March 18 there were reported at Calcutta 47 deaths from cholera, 48 from plague, and 2 from smallpox; in all Bengal, 6,121 cases of plague with 5,009 deaths; in all India, 38,498 cases of plague with 32,975 deaths.

During the week ended March 25 there were reported at Calcutta 60 deaths from cholera and 61 from plague; in all Bengal, 6,906 cases of plague with 5,356 deaths; in all India, 45,251 cases of plague with 29,380 deaths.

# ITALY.

## NAPLES—Smallpox.

Passed Asst. Surg. King reports, April 25:

During the week ended April 22 there were reported at the health office of Naples 28 cases of smallpox with 4 deaths.



## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

## Reports Received During Week Ended May 19, 1911.

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

## CHOLERA.

| Places.       | Date.               | Cases. | Deaths. | Remarks. |
|---------------|---------------------|--------|---------|----------|
| India:        |                     |        |         |          |
| Calcutta..... | Mar. 19-25.....     | 10     | 60      |          |
| Moulmīne..... | do.....             | 7      | 7       |          |
| Rangoon.....  | Mar. 26-Apr. 1..... | 4      | 3       |          |
| Indo-China:   |                     |        |         |          |
| Saigon.....   | Mar. 27-Apr. 2..... | 4      | 3       |          |
| Java:         |                     |        |         |          |
| Batavia.....  | Mar. 26-Apr. 1..... | 3      | 2       |          |

## PLAGUE.

|                 |                     |     |     |  |
|-----------------|---------------------|-----|-----|--|
| Chile:          |                     |     |     |  |
| Iquique.....    | Mar. 5-Apr. 15....  | 8   | 5   |  |
| China:          |                     |     |     |  |
| Amoy.....       | May 16.....         |     |     | Present. Mar. 26-Apr. 8, 15 deaths in vicinity. Three of the cases were of the pneumonic form. |
| Laichow.....    | Apr. 15.....        |     | 300 |  |
| Egypt:          |                     |     |     |  |
| Port Said.....  | Apr. 8-13.....      | 2   | 2   |  |
| Provinces—      |                     |     |     |  |
| Assiout.....    | Mar. 14-20.....     | 63  | 41  |  |
| Assouan.....    | Mar. 15-Apr. 18.... | 295 | 191 |  |
| Fayoum.....     | Mar. 18-Apr. 18.... | 11  | 9   |  |
| Galloubeeh..... | Mar. 1-Apr. 10..... | 1   |     |  |
| Girgeh.....     | Apr. 2-15.....      | 16  | 13  |  |
| Kena.....       | Mar. 17-Apr. 18.... | 219 | 170 |  |
| Menouf.....     | Jan. 29-Apr. 19.... | 30  | 17  |  |
| Minieh.....     | Mar. 16-Apr. 19.... | 16  | 10  |  |
| India:          |                     |     |     |  |
| Bombay.....     | Mar. 26-Apr. 1..... | 310 | 294 |  |
| Calcutta.....   | Mar. 19-25.....     |     | 61  |  |
| Rangoon.....    | Mar. 26-Apr. 1..... | 29  | 28  |  |
| Indo-China:     |                     |     |     |  |
| Saigon.....     | Mar. 27-Apr. 2..... | 5   | 2   |  |
| Turkey in Asia: |                     |     |     |  |
| Jiddah.....     | Apr. 18.....        |     |     | Present.   |

## SMALLPOX.

|                  |                     |     |    |  |
|------------------|---------------------|-----|----|--|
| Austria-Hungary: |                     |     |    |  |
| Bohemia.....     | Apr. 9-15.....      | 1   |    |  |
| Galicia.....     | do.....             | 1   |    |  |
| Krain.....       | do.....             | 2   |    |  |
| Trieste.....     | Apr. 16-22.....     | 1   | 1  |  |
| Canada:          |                     |     |    |  |
| Newcastle.....   | Apr. 30-May 6....   | 1   |    |  |
| Ottawa.....      | Apr. 23-29.....     | 4   |    |  |
| Quebec.....      | May 1-6.....        | 2   |    | Total for Province of Quebec, Apr. 28: Cases, 300. |
| Winnipeg.....    | Apr. 23-29.....     | 1   |    |  |
| Chile:           |                     |     |    |  |
| Valparaiso.....  | Apr. 8.....         |     |    | Present.   |
| China:           |                     |     |    |  |
| Hongkong.....    | Mar. 26-Apr. 1..... | 12  | 10 |  |
| France:          |                     |     |    |  |
| Paris.....       | Apr. 9-22.....      | 7   |    |  |
| Gibraltar.....   | Apr. 17-23.....     | 1   |    |  |
| Hawaii:          |                     |     |    |  |
| Honolulu.....    | May 4.....          | 1   |    |  |
| India:           |                     |     |    |  |
| Bombay.....      | Mar. 26-Apr. 1..... | 53  | 27 |  |
| Madras.....      | Apr. 2-8.....       | 63  | 19 |  |
| Rangoon.....     | Mar. 26-Apr. 1..... | 120 | 65 |  |
| Italy:           |                     |     |    |  |
| Naples.....      | Apr. 16-22.....     | 28  | 4  |  |
| Palermo.....     | do.....             | 11  | 2  |  |
| Turin.....       | Apr. 2-8.....       | 1   |    |  |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

## Reports Received During Week Ended May 19, 1911.

## SMALLPOX—Continued.

| Places.          | Date.              | Cases. | Deaths. | Remarks. |
|------------------|--------------------|--------|---------|----------|
| Indo-China:      |                    |        |         |          |
| Saigon.....      | Mar. 27-Apr. 2.... | 36     | 7       |          |
| Mexico:          |                    |        |         |          |
| Chihuahua.....   | Apr. 10-23.....    |        | 2       |          |
| Ensenada.....    | Apr. 23-29.....    | 7      | 1       |          |
| Mexico.....      | Mar. 26-Apr. 1.... |        | 12      |          |
| Tampico.....     | Apr. 21-30.....    | 2      |         |          |
| Portugal:        |                    |        |         |          |
| Lisbon.....      | Apr. 16-22.....    | 10     |         |          |
| Russia:          |                    |        |         |          |
| Moscow.....      | Apr. 2-8.....      | 34     | 8       |          |
| Siberia:         |                    |        |         |          |
| Vladivostok..... | Mar. 15-21.....    | 5      | 1       |          |
| Turkey in Asia:  |                    |        |         |          |
| Kharput.....     | Apr. 2-15.....     | 8      |         |          |

## Reports Received from Dec. 31, 1910, to May 12, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see PUBLIC HEALTH REPORTS for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

## CHOLERA.

| Places.                   | Dates.              | Cases. | Deaths. | Remarks.  |
|---------------------------|---------------------|--------|---------|---|
| Arabia:                   |                     |        |         |   |
| Bajil.....                | Jan. 18-Feb. 12.... | 49     | 41      |   |
| Hodeida.....              | Jan. 23-Feb. 12.... | 188    | 133     |   |
| Jebel Akhdar.....         | Apr. 1.....         |        |         | Present in remote villages.   |
| Perim.....                | Jan. 23.....        |        |         | Present.  |
| Maskat.....               | Nov. 20-30.....     | 7      | 7       |   |
| Menaka.....               | Jan. 19-Feb. 12.... | 97     | 24      |   |
| Obal.....                 | Jan. 27-Feb. 12.... | 3      | 3       |   |
| Zalda.....                | do.....             | 27     | 15      |   |
| Austria-Hungary.....      | Aug. 3-Nov. 7.....  | 2      | 2       | Not previously reported.  |
| Croatia and Slavonia..... | Dec. 4-17.....      | 5      | 2       |   |
| Maren.....                | Oct. 1-9.....       | 3      |         |   |
| Hungary.....              |                     |        |         | Total for Hungary, Nov. 27-Dec. 17: Cases, 9; deaths, 3.  |
| Bulgaria:                 |                     |        |         |   |
| Tartar-Pazardjik.....     | Jan. 10.....        | 2      | 2       |   |
| Varna.....                | Nov. 29.....        | 2      |         | From steamship <i>Bulgarie</i> , 3 fatal cases having been reported on p. 1936, Vol. XXV.   |
| Ceylon:                   |                     |        |         |   |
| Colombo.....              | Dec. 11-24.....     | 4      | 3       |   |
| China:                    |                     |        |         |   |
| Amoy.....                 | May 9.....          |        |         | Present.  |
| Newchwang.....            | Aug. 1-Nov. 22..... |        |         | Occasional cases.   |
| Shanghai.....             | Aug. 1-31.....      |        | 1       | Reported out of date.   |
| Formosa.....              | Nov. 20-Dec. 17.... | 11     | 6       | Mainly in Kelung and Taihoku.   |
| Hawaii:                   |                     |        |         |   |
| Honolulu.....             |                     |        |         | Total from Feb. 25-Mar. 14: Cases, 31; deaths, 22. Apr. 12-25: Cases, 8; deaths, 7.   |
| India:                    |                     |        |         |   |
| Bassein.....              | Mar. 5-11.....      | 3      | 3       |   |
| Bombay.....               | Nov. 23-Mar. 18.... |        | 109     | Feb. 19-Mar. 18: Cases, 4.  |
| Calcutta.....             | Nov. 13-Mar. 18.... |        | 628     |   |
| Madras.....               | Nov. 27-Mar. 25.... |        | 16      | Madras Presidency, Oct. 1-Dec. 31: Cases, 8,382; deaths, 4,546. Report for Oct. 16-31 not received. Jan. 1-Feb. 28: Cases, 11,228; deaths, 6,259. |
| Moulmine.....             | Mar. 5-18.....      | 7      | 7       |   |
| Rangoon.....              | Jan. 1-Mar. 25....  | 10     | 10      |   |
| Indo-China:               |                     |        |         |   |
| Saigon.....               | Dec. 12-Mar. 26.... | 12     | 7       |   |
| Italy:                    |                     |        |         |   |
| Provinces—                |                     |        |         | Total for Italy, Dec. 27-Jan. 30: Cases, 111; deaths, 17.   |
| Aquila.....               | Dec. 4-17.....      | 4      | 1       |   |
| Bari.....                 | Dec. 27-Jan. 30.... | 5      | 2       |   |
| Caltanissetta.....        | Dec. 4-10.....      | 1      |         |   |
| Caserta.....              | Dec. 4-Jan. 14....  | 15     | 3       |   |
| Catanzaro.....            | Dec. 27-Jan. 6....  | 2      | 2       |   |
| Lecce.....                | Dec. 11-Jan. 30.... | 111    | 13      |   |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## CHOLERA—Continued.

| Places.                 | Date.                | Cases. | Deaths. | Remarks.  |
|-------------------------|----------------------|--------|---------|---|
| Italy—Continued.        |                      |        |         |   |
| Provinces—Continued.    |                      |        |         |   |
| Palermo—                |                      |        |         |   |
| Palermo.....            | Dec. 4-10.....       | 16     | 6       |   |
| Insane asylum.          | Dec. 4-Jan. 6.....   | 24     | 6       |   |
| Rome.....               | do.....              | 10     | 7       |   |
| Salerno.....            | Dec. 11-Jan. 6.....  | 10     |         |   |
| Japan.....              |                      |        |         | Total for Japan, Sept. 14-Nov. 30:<br>Cases, 2,770; deaths, 1,923, in-<br>cluding cases and deaths ap-<br>pearing on p. 1937, Vol. XXV. |
| Aichi ken.....          | Oct. 16-Nov. 20....  | 3      | 3       |   |
| Ehime ken.....          | Sept. 23-Nov. 30.... | 27     | 19      |   |
| Fukuoka ken.....        | Sept. 30-Nov. 30.... | 234    | 165     |   |
| Hioogo ken, Kobe.....   | Sept. 12-Nov. 30.... | 607    | 396     |   |
| Hiroshima ken.....      | Sept. 25-Nov. 30.... | 58     | 30      |   |
| Kagawa ken.....         | Oct. 2-Nov. 30.....  | 293    | 201     |   |
| Kagoshima ken.....      | Oct. 28-Nov. 30....  | 4      | 3       |   |
| Kochi ken.....          | Oct. 18-Nov. 30....  | 70     | 42      |   |
| Kyoto fu.....           | Sept. 30-Nov. 30.... | 143    | 119     |   |
| Kumamoto ken.....       | Oct. 18-Nov. 30....  | 19     | 11      |   |
| Miye ken.....           | Oct. 11-Nov. 30....  | 8      | 5       |   |
| Nagasaki ken.....       | Oct. 16-Nov. 30....  | 26     | 11      | Dec. 12-25, 5 cases, 1 death.   |
| Nara ken.....           | Oct. 3-Nov. 30.....  | 31     | 23      |   |
| Oita ken.....           | Oct. 10-Nov. 30....  | 2      | 1       |   |
| Okayama ken.....        | Sept. 29-Nov. 30.... | 71     | 49      |   |
| Osaka fu.....           | Sept. 17-Nov. 30.... | 951    | 692     |   |
| Saga ken.....           | Oct. 4-Nov. 30.....  | 51     | 31      |   |
| Shiga ken.....          | Nov. 20-30.....      | 7      | 6       |   |
| Shimane ken.....        | Oct. 24-Nov. 30....  | 7      | 5       |   |
| Tokushima ken.....      | Oct. 3-Nov. 30.....  | 59     | 37      |   |
| Tokyo fu.....           | Oct. 18-Nov. 30....  | 1      | 1       |   |
| Wakayama ken.....       | Oct. 6-Nov. 30.....  | 57     | 44      |   |
| Yamaguchi ken.....      | Oct. 12-Nov. 30....  | 41     | 29      |   |
| Java.....               |                      |        |         | Bali, Praja, Feb. 21-28: Cases,<br>141; deaths, 78. Lombok,<br>Djougat: Cases, 136; deaths,<br>95.                                      |
| Batavia.....            | Nov. 13-Mar. 25....  | 15     | 5       |   |
| Samarang.....           | Sept. 11-Feb. 10.... | 620    | 534     |   |
| Soerabaya.....          | Oct. 23-Mar. 4.....  | 26     | 15      |   |
| Korea:                  |                      |        |         |   |
| Seoul.....              | Oct. 26-Nov. 5.....  | 1      | 1       |   |
| Madeira.....            |                      |        |         | Total for Madeira, Nov. 16-Feb.<br>8: Cases, 1,774; deaths, 555, in-<br>cluding report, page 1938,<br>Vol. XXV.                         |
| Funchal.....            | Nov. 16-Feb. 8.....  | 635    | 210     |   |
| Calheta.....            | Dec. 9-31.....       | 1      |         |   |
| Camara dos Lobos.....   | Nov. 16-Feb. 8.....  | 513    | 160     |   |
| Machico.....            | do.....              | 278    | 75      |   |
| Ponto do Sol.....       | do.....              | 195    | 71      |   |
| Santa Cruz.....         | do.....              | 89     | 26      |   |
| Porto Santo Island..... | Nov. 10-Feb. 8.....  |        | 13      |   |
| Persia:                 |                      |        |         |   |
| Ardestan.....           | Nov. 30.....         |        |         | Present.  |
| Assalabad.....          | Oct. 5-Nov. 8.....   |        | 61      |   |
| Birjend.....            | Nov. 10.....         |        |         | Do.   |
| Chalfaroud.....         | Jan. 3.....          |        |         | Do.   |
| Enzeli.....             | Nov. 8-25.....       | 9      | 11      | Present in vicinity and in Pire-<br>Bazar.  |
| Hamadjan.....           | Oct. 6-Dec. 3.....   | 42     | 22      |   |
| Kashan.....             | Nov. 30.....         |        |         | Present.  |
| Kasri-Churine.....      | Oct. 13-20.....      |        | 5       |   |
| Kerman.....             | Nov. 22-Dec. 24....  | 106    | 51      |   |
| Kermanchah.....         | Nov. 5-10.....       |        | 6       |   |
| Mohammerah.....         | Nov. 13-Dec. 5.....  | 11     | 3       |   |
| Mollag-Ali.....         | Nov. 20.....         | 6      |         |   |
| Resht.....              | Nov. 19-Dec. 3.....  | 48     | 42      | Present in all villages in vicinity.  |
| Turbat-i-Hibari.....    | Oct. 10-Nov. 15....  | 66     | 25      |   |
| Philippine Islands:     |                      |        |         |   |
| Manila.....             | Nov. 6-Dec. 31....   | 9      | 6       | Third quarter, 1910: Cases, 195;<br>deaths, 141.  |
| Provinces.....          |                      |        |         | Third quarter, 1910: Cases, 5,657;<br>deaths, 4,089.  |
| Albay.....              | Dec. 24-Mar. 11....  | 59     | 47      |   |
| Bulacan.....            | Nov. 6-Feb. 4.....   | 18     | 15      |   |
| Ilocos Sur.....         | Nov. 6-Dec. 17....   | 58     | 38      |   |
| Mindoro.....            | Nov. 6-Feb. 25....   | 37     | 27      |   |
| Rizal.....              | Nov. 6-Feb. 18....   | 41     | 32      |   |
| Union.....              | Nov. 6-12.....       | 3      | 1       |   |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## CHOLERA—Continued.

| Places.                        | Date.               | Cases. | Deaths. | Remarks.   |
|--------------------------------|---------------------|--------|---------|--|
| Russia.....                    |                     |        |         | Total for Russia, Nov. 20-Feb. 4: Cases, 1,230; deaths, 303. From May 8-Feb. 4: Cases, 216,796; deaths, 100,982. |
| Baku government—               |                     |        |         |  |
| Baku.....                      | Nov. 6-Dec. 17....  | 6      | 2       |  |
| Batum.....                     | Dec. 4-10.....      | 2      | 1       |  |
| Don territory.....             | Nov. 6-19.....      | 6      | 2       |  |
| Erivan government.....         | Nov. 6-Dec. 10....  | 4      | 4       |  |
| Ferghana territory.....        | Nov. 6-19.....      | 6      | 6       |  |
| Kharkov government.....        | Nov. 6-12.....      | 2      | 1       |  |
| Kazan government.....          | Nov. 6-Jan. 7.....  | 2      | 1       |  |
| Kherson government.....        | Nov. 6-Dec. 3.....  | 4      | 4       |  |
| Kief government.....           | Nov. 6-Feb. 4.....  | 45     | 18      |  |
| Kuban territory.....           | Nov. 6-13.....      | 4      | 4       |  |
| Lublin government.....         | Nov. 20-26.....     | 31     | 13      |  |
| Mohilev government.....        | Nov. 6-19.....      | 2      | 1       |  |
| Orenburg government.....       | Nov. 13-24.....     | 15     | 6       |  |
| Oufa government.....           | Nov. 6-12.....      | 2      | 1       |  |
| Perm government.....           | Nov. 20-26.....     | 1      | 1       |  |
| Podolia government.....        | Nov. 13-Jan. 28.... | 11     | 4       |  |
| Rjasan government.....         | Nov. 6-12.....      | 2      | 1       |  |
| St. Petersburg government..... | Nov. 6-12.....      | 2      | 1       |  |
| St. Petersburg.....            | Nov. 6-Dec. 31....  | 32     | 16      |  |
| Samara government.....         | Nov. 6-19.....      | 6      | 1       |  |
| Saratov government.....        | Nov. 13-26.....     | 8      | 6       |  |
| Siberia, eastern.....          | Nov. 6-19.....      | 12     | 3       | Vladivostok, Oct. 29-Nov. 13: Cases 4; deaths, 17. See p. 1939, Vol. XXV.  |
| Syr Darya territory.....       | Nov. 6-19.....      | 7      | 4       |  |
| Taurida government—            |                     |        |         |  |
| Sebastopol.....                | Nov. 13-Dec. 3..... | 7      | 4       |  |
| Tambov government.....         | Nov. 13-Dec. 10.... | 86     | 34      |  |
| Tiflis government.....         | Nov. 6-26.....      | 2      | 1       |  |
| Vitebsk government.....        | Nov. 6-19.....      | 3      | 2       |  |
| Veronesch government.....      | Nov. 6-12.....      | 2      | 1       |  |
| Yekaterinoslav government..... | Nov. 6-Jan. 14....  | 65     | 34      |  |
| Siam:                          |                     |        |         |  |
| Bangkok.....                   | Nov. 6-Mar. 18....  | 753    | 743     |  |
| Straits Settlements:           |                     |        |         |  |
| Singapore.....                 | Dec. 25-Mar. 25.... | 2      | 1       |  |
| Sumatra.....                   |                     |        |         | Mar. 7, present in Soembawa, Batangkapas, Taloe, and Timbelon.   |
| Bambel.....                    | Dec. 29.....        |        |         | Present.   |
| Biagmoeti.....                 | Nov. 14.....        |        |         | Do.  |
| Keretan.....                   | Dec. 29.....        |        |         | Do.  |
| Pengoelodjahar.....            | Nov. 14.....        |        |         | Do.  |
| Tripoli:                       |                     |        |         |  |
| Amrousse.....                  | Sept. 20-Dec. 8.... | 6      | 5       |  |
| Hanl.....                      | Nov. 15-Dec. 8....  | 3      | 2       |  |
| Tripoli.....                   | Nov. 15-Dec. 8....  | 37     | 37      | Total Sept. 20-Dec. 8: Cases, 323 deaths, 233.   |
| Turkey:                        |                     |        |         |  |
| Adrianople vilayet.....        | Nov. 21-Dec. 15.... | 60     | 60      | 94 cases and 34 deaths reported, p. 1940, Vol. XXV.  |
| Constantinople.....            | Nov. 22-Jan. 16.... | 841    | 529     | Total from Sept. 13-Jan. 16: Cases, 1,318; deaths, 793.  |
| Saloniki vilayet.....          | Dec. 11-31.....     | 50     | 25      |  |
| Turkey in Asia:                |                     |        |         |  |
| Bagdad vilayet.....            | Nov. 20-Dec. 11.... | 119    | 115     | Total, Oct. 16-Jan. 16: Cases, 819 deaths, 723.  |
| Basra.....                     | Nov. 6-26.....      | 10     | 9       |  |
| Medina.....                    | Jan. 22-Feb. 28.... | 153    | 667     |  |
| Mekka.....                     | Dec. 26-Jan. 28.... | 153    | 142     | Feb. 5, present.   |
| Samsoun.....                   | Nov. 20-Dec. 3..... | 6      | 6       |  |
| Smyrna.....                    | Nov. 20-Feb. 12.... | 331    | 200     | Apr. 28, present.  |
| Trebizond.....                 | Nov. 20-Dec. 18.... | 107    | 42      | And vicinity.  |
| Yembo.....                     | Jan. 7-Feb. 13....  | 37     | 37      |  |
| Zongouldak.....                | Nov. 20-Dec. 16.... | 9      | 6       |  |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## YELLOW FEVER.

| Places.                         | Date.                | Cases. | Deaths. | Remarks.   |
|---------------------------------|----------------------|--------|---------|--|
| Barbados.....                   | May 8.....           | 1      | .....   |  |
| Brazil:                         |                      |        |         |  |
| Manaos.....                     | Dec. 4-Apr. 15.....  | .....  | 159     |  |
| Para.....                       | Nov. 27-Apr. 15..... | 187    | 83      | Mar. 12, 1 case from the British s. s. Cearense. |
| Rio de Janeiro.....             | Feb. 21-Mar. 11..... | 1      | 1       |  |
| Dominican Republic:             |                      |        |         |  |
| Santiago de los Caballeros..... | .....                | .....  | .....   | Sept., 1910, present.                            |
| Ecuador:                        |                      |        |         |  |
| Guayaquil.....                  | Nov. 1-Mar. 31.....  | 165    | 60      |  |
| Naranjito.....                  | Mar. 1-31.....       | 3      | 1       |  |
| San Antonio, hacienda.....      | .....do.....         | 1      | 1       |  |
| Honduras:                       |                      |        |         |  |
| Puerto Cortez.....              | Jan. 21-29.....      | .....  | .....   | 1 fatal case on U. S. S. Marietta.               |
| Mexico:                         |                      |        |         |  |
| Salina Cruz.....                | Mar. 4.....          | 1      | 1       | From s. s. Opland from Guatemalan ports.         |
| Venezuela:                      |                      |        |         |  |
| Caracas.....                    | Dec. 4-Feb. 28.....  | 57     | 16      | Nov. 22-Dec. 3, 5 deaths.                        |
| La Guaira.....                  | Dec. 1-15.....       | 1      | 1       | Jan. 22-27, 1 fatal case in Canton suburb.       |
| Macuto.....                     | Dec. 1-7.....        | 1      | .....   |  |
| Maiquetia.....                  | Nov. 29.....         | 1      | .....   |  |

## PLAGUE.

|                        |                        |       |       |  |
|------------------------|------------------------|-------|-------|--|
| Arabia:                |                        |       |       |  |
| Maskat.....            | Mar. 26-Apr. 9.....    | 19    | 15    |  |
| Azores:                |                        |       |       |  |
| Terceira.....          | Dec. 24.....           | ..... | ..... | Present.   |
| Brazil:                |                        |       |       |  |
| Bahia.....             | Oct. 29-Feb. 24.....   | 62    | 50    |  |
| Para.....              | Apr. 2-8.....          | 1     | 1     | Apr. 24, present.  |
| Pernambuco.....        | July 1-Dec. 16.....    | ..... | 15    |  |
| Rio de Janeiro.....    | Jan. 1-31.....         | 12    | 9     | Nov. 1-Dec. 31; Cases 19, deaths 5.  |
| Sao Paulo.....         | Jan. 8-Feb. 25.....    | 3     | 3     |  |
| Chile:                 |                        |       |       |  |
| Arica.....             | Jan. 26-Feb. 5.....    | 5     | 1     | Dec. 28-Apr. 3, present.   |
| Iquique.....           | Jan. 1-28.....         | 5     | 3     | Mar. 2-19; Cases 11, deaths 2.   |
| China:                 |                        |       |       |  |
| Amoy.....              | Jan. 21-Mar. 18.....   | 11    | 11    | Kulangsu, Jan. 1-21, 3 fatal cases. Jan. 21-Feb. 27, present in Amoy Island.   |
| Changtu.....           | Jan. 14.....           | ..... | ..... | Present.   |
| Paoting-fu.....        | Jan. 24.....           | ..... | ..... | Do.  |
| Peking.....            | .....do.....           | 2     | ..... |  |
| Shantung Province..... | .....                  | ..... | ..... | Total, Jan. 12-Mar. 15: Deaths 2,866.  |
| Chefoo.....            | Jan. 15-Apr. 8.....    | ..... | 1,095 |  |
| Chinchowfu.....        | Mar. 12-18.....        | ..... | 36    |  |
| Pingtau.....           | .....do.....           | ..... | ..... | Present.   |
| Tengchowfu.....        | Feb. 4.....            | ..... | 30    |  |
| Sioke.....             | Dec. 6-Jan. 4.....     | ..... | ..... | Present, in the interior, 60 miles from Amoy.  |
| Swatow.....            | Jan. 28-Apr. 8.....    | ..... | ..... | Present in vicinity.   |
| Tientsin.....          | Jan. 21-Mar. 18.....   | ..... | 27    | Jan. 17-Feb. 20, 60 cases.   |
| Wangkochuang.....      | .....                  | ..... | ..... | Feb. 25, present.  |
| Manchuria.....         | .....                  | ..... | ..... | Total for Manchuria, Oct. 25-Feb. 3: Cases, 1,176 Chinese, 40 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total deaths to Mar. 29, 42,756. |
| Ah Cheng.....          | To Mar. 9.....         | ..... | 1,451 |  |
| An Feng Line.....      | Feb. 13.....           | ..... | 41    |  |
| Ashihe.....            | Dec. 25-Jan. 13.....   | 2     | ..... | Feb. 10: Deaths, 309 daily.  |
| Buhedu.....            | Oct. 30.....           | 3     | 3     |  |
| Changchun.....         | Jan. 1-Mar. 27.....    | ..... | 2,695 |  |
| Chang Tu.....          | To Mar. 9.....         | ..... | 428   |  |
| Chen An.....           | Mar. 7.....            | ..... | 88    |  |
| Chen Te.....           | Mar. 10.....           | ..... | 672   |  |
| Ching Hsi.....         | Mar. 4.....            | ..... | 19    |  |
| Dalny.....             | Jan. 11-Feb. 8.....    | 66    | 60    |  |
| Dunzenshan.....        | To Dec. 25-Feb. 3..... | ..... | 22    |  |
| Faku.....              | To Mar. 3.....         | ..... | 217   |  |
| Feng Hua.....          | To Mar. 13.....        | ..... | 149   |  |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## PLAGUE—Continued.

| Places.                              | Date.                | Cases. | Deaths. | Remarks.  |
|--------------------------------------|----------------------|--------|---------|---|
| China—Continued.                     |                      |        |         |   |
| Manchuria—Continued.                 |                      |        |         |   |
| Fenting Province.....                | To Mar. 29.....      |        | 7,137   | Nov. 8-Mar. 18; Deaths, 5,149.  |
| Fuchiatien.....                      |                      |        |         |   |
| Fushun.....                          | To Mar. 9.....       |        | 66      |   |
| Hailar.....                          | Dec. 6-Feb. 5.....   |        | 86      |   |
| Harbin.....                          |                      |        |         | And vicinity. Nov. 8-Mar. 18.<br>Deaths, 1,554 Chinese, 54 Europeans. |
| Heilung.....                         | Feb. 27.....         |        | 8       |   |
| Heilungkiang.....                    | Jan. 7-Mar. 29.....  |        | 13,739  |   |
| Hismintun.....                       | To Mar. 7.....       |        | 328     |   |
| Hsian.....                           | Feb. 28.....         |        | 111     |   |
| Hsi Feng.....                        | Mar. 4.....          |        | 31      |   |
| Huai Te.....                         | To Mar. 8.....       |        | 795     |   |
| Hulan.....                           | Dec. 31-Mar. 8.....  | 1,562  |         |   |
| Jaomin.....                          | Dec. 25-Jan. 13..... | 1      | 1       |   |
| Ilan.....                            | Mar. 9.....          |        | 143     |   |
| Kai Yuan.....                        | To Mar. 7.....       |        | 211     | Total, Jan. 7-Mar. 29. Deaths.<br>21,880.                             |
| Kang Ping.....                       | Feb. 28.....         |        | 159     |   |
| Kirin.....                           |                      |        |         |   |
| Kuantchentsi.....                    | Jan. 1-Feb. 3.....   | 8      | 3       |   |
| Kwang ning.....                      | To Mar. 9.....       |        | 204     |   |
| Laio Chung.....                      | Feb. 27.....         |        | 33      |   |
| Liao Yang.....                       | Mar. 3.....          |        | 45      |   |
| Liao Yuan.....                       | Mar. 9.....          |        | 21      |   |
| Lan Hsi.....                         | Mar. 5.....          |        | 344     |   |
| Liesania vetka Handa-<br>ohedzy..... | Dec. 25-Jan. 13..... | 9      | 9       |   |
| Lochagri.....                        | Dec. 27.....         | 4      | 4       |   |
| Loshagoon.....                       | do.....              | 4      |         |   |
| Maneduria, station.....              | Dec. 7-26.....       |        | 95      | Mar. 5-30: 233 cases.   |
| Moershan.....                        | Jan. 1-20.....       | 1      | 1       |   |
| Mukden.....                          | Jan. 1-Mar. 5.....   |        | 1,533   |   |
| Ning An.....                         | Feb. 18.....         |        | 9       |   |
| Ning Yuan.....                       | Mar. 4.....          |        | 67      |   |
| Pan Shan.....                        | Feb. 24.....         |        | 3       |   |
| Pa Yen.....                          | Mar. 4.....          |        | 489     |   |
| Pen shi.....                         | To Mar. 11.....      |        | 17      |   |
| Pinchou.....                         | Jan. 28-Mar. 7.....  |        | 1,254   |   |
| Sanshahe.....                        | Jan. 1-20.....       | 3      | 3       |   |
| Shing King.....                      | To Mar. 7.....       | 8      |         | Cases previously reported, 14;<br>deaths, 12.                         |
| Shuehung.....                        | Feb. 16.....         |        | 76      |   |
| Sui Hua.....                         | To Mar. 8.....       |        | 1,198   |   |
| Swang Cheng.....                     | To Mar. 6.....       |        | 5,517   |   |
| Tielug.....                          | Jan. 14-Mar. 3.....  |        | 17      |   |
| Tchjalainarskiy.....                 | Nov. 11-Dec. 3.....  | 104    | 106     |   |
| Tchjalantum.....                     | Nov. 21-Jan. 14..... |        | 42      |   |
| Te Hual.....                         | To Feb. 25.....      |        | 225     |   |
| Tun Fa.....                          | Feb. 6.....          |        | 9       |   |
| Turehiha.....                        | Oct. 30.....         | 4      | 4       |   |
| Tzaitzalgoy.....                     | Jan. 1-20.....       | 2      | 2       |   |
| Ecuador:                             |                      |        |         |   |
| Babahovo.....                        | Dec. 16-Jan. 15..... | 16     | 4       |   |
| Duran.....                           | Dec. 16-Mar. 31..... | 11     | 5       |   |
| Guayaquil.....                       | Nov. 1-Mar. 31.....  | 257    | 203     |   |
| Milagro.....                         | Jan. 1-Mar. 15.....  | 10     | 5       |   |
| Egypt:                               |                      |        |         |   |
| Alexandria.....                      | Jan. 4-Mar. 10.....  | 2      |         | Nov. 29-Dec. 24, 5 cases, 2 deaths.                                   |
| Cairo.....                           | Feb. 11.....         | 1      | 1       |   |
| Provinces—                           |                      |        |         |   |
| Assiout.....                         | Jan. 1-Mar. 13.....  | 84     | 30      | Dec. 1-29, 50 cases, 24 deaths.                                       |
| Assouan.....                         | Jan. 1-Mar. 14.....  | 186    | 105     |   |
| Behera.....                          | Jan. 1-17.....       | 3      |         | Nov. 22-Dec. 2, 1 case, 1 death.                                      |
| Beni Souef.....                      | Feb. 7-11.....       | 2      |         |   |
| Galioubeeh.....                      | Feb. 28.....         | 1      | 1       |   |
| Garbieh.....                         | Mar. 3-14.....       | 5      | 3       |   |
| Gizeh.....                           | Jan. 1-Feb. 2.....   | 9      | 5       |   |
| Kena.....                            | Jan. 14-Mar. 16..... | 166    | 119     |   |
| Menouf.....                          | Jan. 1-28.....       | 9      | 4       |   |
| Minieh.....                          | Feb. 22-Mar. 16..... | 42     | 14      |   |
| German East Africa:                  |                      |        |         |   |
| Muanza.....                          | Nov. 16-Mar. 22..... | 30     | 6       |   |
| Hawaii:                              |                      |        |         |   |
| Honokaa.....                         | Jan. 31-Apr. 19..... | 3      | 3       |   |



## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## PLAGUE—Continued.

| Places.                          | Date.                | Cases.  | Deaths. | Remarks.   |
|----------------------------------|----------------------|---------|---------|--|
| <b>India:</b>                    |                      |         |         |  |
| Bombay.....                      | Nov. 23-Mar. 25..... |         | 1,202   | Feb. 19-Mar. 25, 944 cases.  |
| Calcutta.....                    | Nov. 13-Mar. 18..... |         | 273     |  |
| Kurrachee.....                   | Nov. 19-Apr. 8.....  | 1,138   | 1,084   |  |
| Madras.....                      | Dec. 11-17.....      |         | 1       |  |
| Rangoon.....                     | Jan. 1-Mar. 25.....  | 102     | 97      | Dec. 11-31, 10 deaths.   |
| Bombay Presidency and Sind.....  | Oct. 29-Mar. 4.....  | 33,918  | 23,113  |  |
| Madras Presidency.....           | do.....              | 7,281   | 5,983   |  |
| Bengal.....                      | do.....              | 321,807 | 26,606  |  |
| United Provinces.....            | do.....              | 130,52  | 112,201 |  |
| Punjab.....                      | do.....              | 38,507  | 31,445  |  |
| Burma.....                       | do.....              | 3,134   | 2,987   |  |
| Eastern Bengal and Assam.....    | Jan. 29-Feb. 4.....  | 5       | 4       |  |
| Central Provinces.....           | Oct. 29-Mar. 4.....  | 23,792  | 18,188  |  |
| Coorg.....                       | do.....              | 20      | 9       |  |
| Mysore State.....                | do.....              | 8,537   | 6,076   |  |
| Hyderabad State.....             | do.....              | 5,865   | 4,990   |  |
| Central India.....               | do.....              | 6,617   | 5,535   |  |
| Rajputana and Ajmer-Merwara..... | Oct. 29-Mar. 4.....  | 13,405  | 10,521  |  |
| Kashmir.....                     | Nov. 6-Mar. 4.....   | 149     | 94      |  |
| North West Province.....         | Dec. 10-Mar. 4.....  | 80      | 61      |  |
| Grand total.....                 |                      | 304,759 | 247,813 |  |
| <b>Indo-China:</b>               |                      |         |         |  |
| Saigon.....                      | Nov. 14-Mar. 25..... | 31      | 7       |  |
| <b>Japan:</b>                    |                      |         |         |  |
| Formosa.....                     | Jan. 22-Apr. 1.....  | 35      | 30      | In the southern part.  |
| <b>Java:</b>                     |                      |         |         |  |
| Batavia.....                     | Apr. 7.....          |         |         | Apr. 7-136 cases in the eastern part.  |
| <b>Mauritius:</b>                |                      |         |         |  |
| New Caledonia:                   |                      |         |         |  |
| Noumea.....                      | Sept. 17.....        |         |         | Present. Feb. 18—Present among pilgrims on a steamer from Jiddah in quarantine 10 miles distant.   |
| <b>New Zealand:</b>              |                      |         |         |  |
| Auckland.....                    | Mar. 21.....         | 3       | 1       | Present. Feb. 18—Present among pilgrims on a steamer from Jiddah in quarantine 10 miles distant.   |
| <b>Peru:</b>                     |                      |         |         |  |
| Ancachs Department.....          | Feb. 1-Mar. 18.....  | 15      | 2       | From Onehunga.   |
| Arequipa Department.....         | Nov. 1-Feb. 28.....  | 27      | 8       | Mar. 4 present at Casma.   |
| Mollendo.....                    | Feb. 1-28.....       | 7       | 5       | Mar. 10-Apr. 4: Cases, 5; deaths, 3.   |
| Cajamarca Department.....        | Nov. 1-Feb. 28.....  | 4       | 2       | Callao. Mar. 29-Apr. 4; 3 cases.   |
| Callao Department.....           | Mar. 1-18.....       | 7       | 4       |  |
| Chiclayo Department.....         | Mar. 1-18.....       | 1       |         |  |
| Huachiriri Department.....       | Mar. 1-18.....       | 4       | 1       |  |
| Islay Department.....            | Nov. 1-Mar. 18.....  | 38      | 19      |  |
| Lambayeque Department.....       | Nov. 1-Feb. 28.....  | 179     | 85      | Dec. 10-Mar. 11, present in Chicama Valley. Salaverry, Feb. 1-28, 31 cases, 12 deaths. Mar. 1-18, 32 cases, 10 deaths, at Truxillo. Mar. 1, present in Moche and Viru. |
| Libertad Department.....         |                      |         |         |  |
| Lima Department.....             | Nov. 1-Mar. 18.....  | 37      | 18      | Lima—Feb. 19-Mar. 11: Cases, 9; deaths, 3. Mar. 11: Catacaos epidemic.   |
| Piura Department.....            | do.....              | 76      | 41      |  |
| <b>Russia:</b>                   |                      |         |         |  |
| Astrakhan Government—            |                      |         |         |  |
| Abil-Isken.....                  | Nov. 22-29.....      | 4       | 4       |  |
| Kirghiz Steppe.....              | Dec. 17-Feb. 7.....  | 106     | 88      |  |
| Koiden.....                      | Dec. 6-13.....       | 8       | 3       |  |
| Koybal.....                      | Dec. 10-13.....      | 5       | 1       |  |
| Kulken Island.....               | Oct. 13-Nov. 4.....  | 5       | 5       |  |
| Nauraal-Tehaygal.....            | Nov. 23-29.....      | 5       | 5       |  |
| Neuren.....                      | Nov. 17-21.....      | 1       | 1       |  |
| Trans-Caucasia.....              |                      |         |         | Total from Oct. 23-Nov. 24: Cases, 28; deaths, 5.  |
| Petrovsk.....                    | Nov. 23.....         | 1       | 1       |  |
| Sanitza-Oliviana.....            | Nov. 22.....         | 1       | 1       |  |
| Baku.....                        | Dec. 17.....         | 1       | 1       |  |
| Batum.....                       | do.....              | 1       | 1       |  |
| Odessa.....                      | Jan. 1-Mar. 5.....   | 3       | 2       | Dec. 9, 1 death.   |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## PLAGUE—Continued.

| Places.              | Date.              | Cases. | Deaths. | Remarks.         |
|----------------------|--------------------|--------|---------|------------------|
| Siam:                |                    |        |         |                  |
| Bangkok.....         | Nov. 27-Feb. 25... | 17     | 15      |                  |
| Straits Settlements: |                    |        |         |                  |
| Singapore.....       | Nov. 13-Mar. 25... | 3      | 3       |                  |
| Trinidad.....        | Feb. 8-May 10....  | 6      | 1       |                  |
| Turkey in Asia:      |                    |        |         |                  |
| Jiddah.....          | Dec. 16-Apr. 8.... | 33     | 30      |                  |
| Venezuela:           |                    |        |         |                  |
| Caracas.....         | Apr. 10-25.....    | 4      |         | Nov. 9, present. |

## SMALLPOX.

|                                 |                     |     |       |  |
|---------------------------------|---------------------|-----|-------|--|
| Abyssinia:                      |                     |     |       |  |
| Adis Ababa.....                 | Nov. 20-Feb. 11.... |     |       | Present.   |
| Algeria:                        |                     |     |       |  |
| Algiers.....                    | Mar. 1-31.....      |     | 1     |  |
| Arabia:                         |                     |     |       |  |
| Aden.....                       | Jan. 9-Apr. 10....  | 126 | 15    | And vicinity.  |
| Berbera.....                    | Dec. 9-Jan. 9....   |     |       | Epidemic.  |
| Bulhar.....                     | Jan. 25.....        |     |       | Present.   |
| Maskat.....                     | Jan. 1-21.....      | 3   |       | 1 case from a British naval vessel.                  |
| Zella.....                      | Jan. 25.....        |     |       | Present.   |
| Argentina:                      |                     |     |       |  |
| Buenos Aires.....               | Oct. 1-Jan. 31....  |     | 17    |  |
| Rosario.....                    | Oct. 1-Feb. 28....  |     | 22    |  |
| Australia:                      |                     |     |       |  |
| Adelaide.....                   |                     |     |       | Sept., 1910, 1 case on s. s. Kazembe from Singapore. |
| Austria-Hungary:                |                     |     |       |  |
| Galicia.....                    | Mar. 12-Apr. 8....  | 2   |       |  |
| Krain.....                      | Mar. 5-Apr. 1....   | 6   |       |  |
| Barbados:                       |                     |     |       |  |
| Bridgetown.....                 | Jan. 14.....        | 1   |       | From steamship Cara from Rio de Janeiro.             |
| Belgium:                        |                     |     |       |  |
| Antwerp.....                    | Mar. 26-Apr. 1....  | 1   |       |  |
| Brazil:                         |                     |     |       |  |
| Bahia.....                      | Oct. 29-Jan. 6....  | 62  | 31    |  |
| Para.....                       | Nov. 27-Apr. 22.... | 71  | 16    |  |
| Pernambuco.....                 | July 1-Feb. 28....  |     | 1,381 |  |
| Rio de Janeiro.....             | Jan. 1-Mar. 11....  | 4   | 2     | Nov. 14-Dec. 31, 6 cases.                            |
| Sao Paulo.....                  | Jan. 8-Mar. 11....  | 2   | 1     |  |
| Canada:                         |                     |     |       |  |
| British Columbia—               |                     |     |       |  |
| Fernie.....                     | Feb. 10-Apr. 1....  | 10  |       |  |
| Vancouver.....                  | Jan. 1-Mar. 31....  | 14  |       |  |
| Victoria.....                   | Dec. 11-Feb. 28.... | 59  |       |  |
| Grosse Isle Quarantine Station. | May 3.....          | 2   |       | From s. s. Dominion from Liverpool.                  |
| Manitoba—                       |                     |     |       |  |
| Winnipeg.....                   | Apr. 2-15.....      | 2   |       |  |
| New Brunswick—                  |                     |     |       |  |
| Campbelltown.....               | Apr. 4-10.....      | 1   |       |  |
| Moncton.....                    | Jan. 20-Feb. 11.... | 15  |       |  |
| Newcastle.....                  | Dec. 18-Jan. 25.... | 9   |       | Jan. 14-May 6, in vicinity.                          |
| St. Marys.....                  | Apr. 9-15.....      | 1   |       |  |
| Newfoundland—                   |                     |     |       |  |
| St. Johns.....                  | Mar. 12-18.....     | 2   |       |  |
| Nova Scotia—                    |                     |     |       |  |
| Halifax.....                    | Jan. 1-Apr. 15....  | 9   |       |  |
| Louisburg.....                  | Dec. 25-Feb. 4....  | 9   |       |  |
| Sydney.....                     | Jan. 22-Apr. 22.... | 9   |       |  |
| Ontario—                        |                     |     |       |  |
| Cornwall.....                   | Jan. 1-21.....      | 3   |       |  |
| Fort William.....               | Apr. 3-17.....      | 3   |       |  |
| Ottawa.....                     | Dec. 18-Apr. 15.... | 43  |       |  |
| Sarnia.....                     | Mar. 19-Apr. 8....  | 2   |       |  |
| Prince Edwards Island.....      | Mar. 1-Apr. 29....  | 150 |       | In a French settlement 70 miles from Summerside.     |
| Charlottetown.....              | Mar. 29-Apr. 25.... | 18  | 1     |  |
| Quebec—                         |                     |     |       |  |
| Quebec.....                     | Feb. 12-Apr. 29.... | 5   |       |  |
| Ceylon:                         |                     |     |       |  |
| Colombo.....                    | Nov. 13-Mar. 25.... | 37  | 9     |  |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## SMALLPOX—Continued.

| Places.                | Date.                | Cases. | Deaths. | Remarks.  |
|------------------------|----------------------|--------|---------|---|
| Chile:                 |                      |        |         |   |
| Coquimbo Province..... | Dec. 13-30.....      |        |         | Present in two localities.  |
| Iquique.....           | Nov. 13-19.....      |        | 1       |   |
| Punta Arenas.....      | Nov. 1-30.....       | 1      |         |   |
| Tulcahuano.....        | Nov. 13-Dec. 17..... | 23     |         |   |
| Vaiparaiso.....        | Nov. 20-Mar. 4.....  | 508    |         | Deaths not generally reported.<br>Jan. 8-14, 2 deaths; Apr. 15,<br>present.                                     |
| China:                 |                      |        |         |   |
| Amoy.....              | Mar. 8-14.....       |        | 8       | Mar. 25, still present.   |
| Canton.....            | Dec. 11-17.....      | 26     | 3       |   |
| Chefoo.....            | do.....              |        |         | Present among natives.  |
| Chungking.....         | Nov. 13-Mar. 18..... |        |         | Present.  |
| Hankow.....            | Mar. 26-Apr. 1.....  |        |         | Do.   |
| Hongkong.....          | Dec. 4-Mar. 25.....  | 77     | 39      |   |
| Manchuria—             |                      |        |         |   |
| Dalny.....             | Nov. 27-Feb. 11..... | 2      | 1       | Do.   |
| Nanking.....           | Nov. 20-Apr. 8.....  |        |         | Deaths among natives.   |
| Shanghai.....          | Nov. 21-Apr. 9.....  | 60     | 180     | Present 25 miles inland; Jan. 21-<br>Apr. 8, present in vicinity.   |
| Swatow.....            | Jan. 1-7.....        |        |         |   |
| Tsingtau.....          | Jan. 8-Mar. 25.....  | 26     | 1       |   |
| Colombia:              |                      |        |         |   |
| Cartagena.....         | Jan. 15-Apr. 9.....  |        |         | Present.  |
| Egypt:                 |                      |        |         |   |
| Alexandria.....        | Jan. 1-Feb. 28.....  | 6      | 8       | Nov. 1-Dec. 31, 1 case, 2 deaths.   |
| Cairo.....             | Dec. 3-Apr. 1.....   | 24     | 8       |   |
| Port Said.....         | Dec. 17-Apr. 8.....  | 24     | 11      |   |
| France:                |                      |        |         |   |
| Paris.....             | Dec. 3-Apr. 8.....   | 60     |         | Present.  |
| Gambia.....            | Apr. 8.....          |        |         | Total for Germany, Dec. 4-Apr.<br>22, cases 104.  |
| Germany:               |                      |        |         |   |
| Magdeburg.....         | Mar. 19-Apr. 8.....  | 3      |         |   |
| Gibraltar.....         | Jan. 16-Mar. 25..... | 5      |         |   |
| Great Britain:         |                      |        |         |   |
| Dublin.....            | Jan. 15-21.....      | 1      |         |   |
| Leith.....             | Dec. 11-17.....      | 2      |         | From a steamship from Oporto  |
| Liverpool.....         | Jan. 29-Mar. 11..... | 4      |         |   |
| London.....            | Feb. 19-Apr. 22..... | 223    | 8       |   |
| Nottingham.....        | Mar. 12-18.....      | 1      |         |   |
| Hawaii:                |                      |        |         |   |
| Honolulu.....          | Jan. 3-Feb. 18.....  | 4      |         | Jan. 3, 3 cases on s. s. Kiho Maru<br>from Manzanillo. Feb. 18, 1<br>case on s. s. Chiyo Maru from<br>Yokohama. |
| Olas.....              | May 4.....           | 1      |         |   |
| Hilo.....              |                      |        |         | In vicinity Mar. 14-30, 9 cases<br>including 3 reported Mar. 26 at<br>Waiakea.                                  |
| Kona.....              | Mar. 22.....         | 1      |         |   |
| Maui—                  |                      |        |         |   |
| Puene.....             | Jan. 24.....         | 39     |         |   |
| Waikapu.....           | Jan. 31.....         | 1      |         |   |
| India:                 |                      |        |         |   |
| Bombay.....            | Dec. 6-Mar. 25.....  |        | 148     | Feb. 19-Mar. 25, cases 203.   |
| Calcutta.....          | Nov. 6-Mar. 18.....  |        | 23      |   |
| Madras.....            | Nov. 20-Apr. 1.....  | 568    | 232     |   |
| Rangoon.....           | Jan. 1-Mar. 25.....  | 686    | 201     | Nov. 20-Dec. 31, 6 deaths.  |
| Indo-China:            |                      |        |         |   |
| Saigon.....            | Nov. 14-Mar. 26..... | 314    | 61      |   |
| Italy:                 |                      |        |         |   |
| Genoa.....             | Feb. 1-Apr. 15.....  | 9      |         |   |
| Naples.....            | Dec. 4-Apr. 15.....  | 435    | 177     |   |
| Palermo.....           | Jan. 8-Apr. 15.....  | 108    | 40      |   |
| Turin.....             | Jan. 8-Mar. 11.....  | 3      |         |   |
| Japan:                 |                      |        |         |   |
| Formosa.....           | Mar. 19-25.....      | 1      |         |   |
| Kobe.....              | Dec. 26-Mar. 9.....  | 4      |         | Dec. 26-Jan. 1, 2 cases from s.'s<br>Shimosa from New York via<br>ports.  |
| Nagahama.....          | Mar. 23.....         | 1      |         | From s. s. Lucerne from Hong-<br>kong via ports.  |
| Java:                  |                      |        |         |   |
| Batavia.....           | Dec. 26-Mar. 18..... | 12     |         |   |
| Malta:                 |                      |        |         |   |
| Valetta.....           | Dec. 4-Jan. 28.....  | 4      |         |   |

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to May 12, 1911.

## SMALLPOX—Continued.

| Places.                     | Date.                | Cases. | Deaths. | Remarks.   |
|-----------------------------|----------------------|--------|---------|--|
| <b>Mexico:</b>              |                      |        |         |  |
| Aguascalientes.....         | Dec. 25-Apr. 23..... |        | 62      |  |
| Chihuahua.....              | Jan. 30-Feb. 5.....  | 1      | 1       |  |
| Ensenada.....               | Mar. 12-Apr. 22..... | 20     | 4       |  |
| Guadalajara.....            | Jan. 29-Apr. 1.....  | 2      | 2       |  |
| Mexico.....                 | Dec. 11-Mar. 25..... |        | 63      | Reports from Jan. 8-23 not received.                                   |
| Monterey.....               | Dec. 19-Apr. 16..... |        | 2       |  |
| San Luis Potosi.....        | Nov. 13-Apr. 8.....  | 152    | 93      | Jan. 26, present in the interior of the State.                         |
| Tampico.....                | Dec. 2-Apr. 20.....  | 120    | 32      | Present in Dona Cecilia, La Barra, and Tancol.                         |
| Vera Cruz.....              | Mar. 15-18.....      | 1      | 1       | From a sailing vessel.   |
| <b>Morocco:</b>             |                      |        |         |  |
| Tangier.....                | Mar. 19-25.....      |        |         | Epidemic.  |
| <b>Netherlands:</b>         |                      |        |         |  |
| Rotterdam.....              | Dec. 11-Jan. 28..... | 4      |         |  |
| <b>New Zealand:</b>         |                      |        |         |  |
| Lyttelton.....              | Dec. 30.....         | 1      |         | On s. s. Knight of the Garter from Karotzu, Japan.                     |
| <b>Peru:</b>                |                      |        |         |  |
| Salaverry.....              | Jan. 25-Mar. 21..... | 17     | 2       | Jan. 10-Feb. 7, present.   |
| Truxillo.....               | Dec. 19.....         |        | 2       | Dec. 19-Jan. 7, present in vicinity.                                   |
| <b>Philippine Islands:</b>  |                      |        |         |  |
|                             |                      |        |         | Third quarter, 1910: Cases, 11; deaths 0.                              |
| <b>Portugal:</b>            |                      |        |         |  |
| Lisbon.....                 | Dec. 3-Apr. 15.....  | 292    |         | Oct. 30-Dec. 31, deaths 48. Year 1910, 286. Jan. 1-Mar. 18, deaths 42. |
| <b>Russia:</b>              |                      |        |         |  |
| Libau.....                  | Dec. 5-Mar. 1.....   | 7      | 4       |  |
| Moscow.....                 | Nov. 15-Apr. 1.....  | 190    | 72      |  |
| Odessa.....                 | Nov. 20-Apr. 8.....  | 30     | 5       |  |
| Riga.....                   | Dec. 11-Apr. 1.....  | 141    |         | Oct. 1-Dec. 31, 82 deaths. Jan. 1-31, deaths 14.                       |
| St. Petersburg.....         | Nov. 13-Apr. 8.....  | 571    | 157     |  |
| Warsaw.....                 | Oct. 9-Jan. 21.....  |        | 31      |  |
| <b>Siberia:</b>             |                      |        |         |  |
| Vladivostok.....            | Nov. 22-Feb. 15..... | 31     | 4       |  |
| <b>Siam:</b>                |                      |        |         |  |
| Bangkok.....                | Dec. 21-Mar. 16..... | 13     | 9       |  |
| <b>South Africa:</b>        |                      |        |         |  |
| Cape Town.....              | Mar. 5-11.....       | 1      |         |  |
| Johannesburg.....           | Mar. 17-Apr. 1.....  | 12     | 6       |  |
| <b>Spain:</b>               |                      |        |         |  |
| Barcelona.....              | Dec. 5-Jan. 8.....   |        | 2       | Mar. 12, present.  |
| Madrid.....                 | Nov. 1-Mar. 31.....  |        | 30      |  |
| Seville.....                | Jan. 1-Mar. 31.....  |        | 11      |  |
| Valladolid.....             | Mar. 1-11.....       |        |         | Epidemic.  |
| Valencia.....               | Nov. 27-Apr. 22..... | 77     | 2       |  |
| <b>Straits Settlements:</b> |                      |        |         |  |
| Penang.....                 | Jan. 1-Apr. 1.....   | 79     | 27      | Nov. 6-Dec. 31: Cases, 69; deaths, 68.                                 |
| <b>Singapore.....</b>       | Nov. 13-Mar. 25..... | 102    | 21      |  |
| <b>Switzerland:</b>         |                      |        |         |  |
| <b>Cantons—</b>             |                      |        |         |  |
| Aargau.....                 | Jan. 29-Mar. 18..... | 58     |         |  |
| Baselstadt.....             | Feb. 19-25.....      | 1      |         |  |
| Bern.....                   | Dec. 12-Apr. 15..... | 21     |         |  |
| <b>Turkey:</b>              |                      |        |         |  |
| Constantinople.....         | Dec. 19-25.....      |        | 1       |  |
| <b>Turkey in Asia:</b>      |                      |        |         |  |
| Adana.....                  | Mar. 14.....         |        | 1       |  |
| Beirut.....                 | Dec. 4-Apr. 15.....  | 55     | 6       |  |
| Smyrna.....                 | Dec. 18-24.....      | 1      |         |  |
| <b>Uruguay:</b>             |                      |        |         |  |
| Montevideo.....             | Oct. 1-Feb. 28.....  | 59     | 19      |  |
| <b>Zanzibar:</b>            |                      |        |         |  |
| Zanzibar.....               | Oct. 31-Mar. 26..... | 74     | 51      |  |

## MORTALITY.

## WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

| Cities.                    | Week ended— | Estimated population. | Total deaths from all causes. | Deaths from—  |         |          |               |           |               |                |                |             |          |                 |
|----------------------------|-------------|-----------------------|-------------------------------|---------------|---------|----------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|
|                            |             |                       |                               | Tuberculosis. | Plague. | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Typhoid fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| Aix-la-Chapelle.....       | Apr. 15     | 156,250               | 53                            | 7             |         |          |               |           |               |                |                |             |          |                 |
| Amsterdam.....             | do          | 576,200               | 151                           | 22            |         |          |               |           |               |                |                | 1           | 10       | 4               |
| Do.....                    | Apr. 22     |                       | 146                           | 28            |         |          |               |           | 1             |                |                |             | 2        | 3               |
| Antwerp.....               | do          | 326,351               | 70                            | 7             |         |          |               |           |               |                |                | 1           | 2        |                 |
| Athens.....                | Apr. 8      | 250,010               | 91                            | 17            |         |          |               |           |               |                |                | 2           |          |                 |
| Do.....                    | Apr. 15     |                       | 97                            | 23            |         |          |               |           |               | 1              |                |             | 1        |                 |
| Barcelona.....             | Apr. 23     | 591,272               | 360                           | 24            |         |          |               |           |               | 4              | 1              | 1           | 6        | 1               |
| Barranquilla.....          | Apr. 22     | 40,000                | 19                            |               |         |          |               |           |               | 1              |                |             |          |                 |
| Batavia.....               | Apr. 1      | 217,630               | 5                             |               |         | 2        |               |           |               |                |                |             |          |                 |
| Berlin.....                | Apr. 15     | 2,073,814             | 566                           | 79            |         |          |               |           |               | 1              | 3              | 20          | 5        | 9               |
| Birmingham.....            | Apr. 29     | 575,545               | 198                           |               |         |          |               |           |               | 1              |                | 2           | 10       |                 |
| Bombay.....                | Apr. 1      | 977,822               | 985                           | 35            | 204     |          |               | 27        |               | 2              |                |             | 40       |                 |
| Bordeaux.....              | Apr. 20     | 253,000               | 91                            | 11            |         |          |               |           |               |                |                | 1           | 1        | 1               |
| Bradford.....              | Apr. 22     | 297,780               | 84                            | 8             |         |          |               |           |               |                |                |             | 1        | 2               |
| Do.....                    | Apr. 29     |                       | 63                            | 4             |         |          |               |           |               | 1              |                |             |          | 4               |
| Bremen.....                | Apr. 22     | 246,850               | 72                            | 18            |         |          |               |           |               |                | 1              | 2           |          |                 |
| Brisbane.....              | Mar. 18     | 137,672               | 2                             |               |         |          |               |           |               | 2              | 7              | 8           |          |                 |
| Bristol.....               | Apr. 29     | 387,511               | 115                           | 6             |         |          |               |           |               |                | 1              |             | 7        | 4               |
| Brussels.....              | Apr. 22     | 562,895               | 208                           | 20            |         |          |               |           |               |                |                |             | 5        |                 |
| Budapest.....              | Apr. 15     | 950,610               |                               |               |         |          |               |           |               |                |                |             | 5        |                 |
| Do.....                    | Apr. 22     |                       |                               |               |         |          |               |           |               | 1              | 24             | 4           | 7        |                 |
| Calcutta.....              | Mar. 25     | 847,796               | 485                           | 31            | 61      | 60       |               |           |               |                |                |             |          |                 |
| Chemnitz.....              | Apr. 22     | 290,960               | 87                            | 10            |         |          |               |           |               |                |                |             |          |                 |
| Chihuahua.....             | Apr. 16     | 39,000                | 30                            | 3             |         |          |               |           | 1             |                |                |             |          | 1               |
| Do.....                    | Apr. 23     |                       | 28                            | 3             |         |          |               |           | 1             |                |                |             |          |                 |
| Cologne.....               | Apr. 22     | 581,373               | 137                           | 24            |         |          |               |           |               |                | 1              | 3           | 3        | 3               |
| Colon.....                 | do          | 17,399                | 5                             | 1             |         |          |               |           |               | 1              |                |             |          |                 |
| Constantinople.....        | Apr. 23     | 1,000,000             | 274                           | 41            |         |          |               |           |               | 1              | 1              | 1           | 2        |                 |
| Copenhagen.....            | Apr. 15     | 462,000               | 133                           | 11            |         |          |               |           |               |                | 4              | 1           |          | 9               |
| Dresden.....               | do          | 546,200               | 151                           | 22            |         |          |               |           |               |                |                | 3           | 4        |                 |
| Edinburgh.....             | Apr. 22     | 365,253               | 116                           | 6             |         |          |               |           |               |                |                | 3           | 2        | 8               |
| Ensenada.....              | Apr. 29     | 2,160                 |                               | 1             |         |          |               |           | 1             |                |                |             |          |                 |
| Erfurt.....                | Apr. 15     | 115,555               | 30                            | 3             |         |          |               |           |               |                | 1              | 1           | 1        |                 |
| Fiume.....                 | Apr. 22     | 50,811                | 44                            | 13            |         |          |               |           |               |                |                |             | 4        |                 |
| Florence.....              | Apr. 16     | 242,403               | 104                           | 27            |         |          |               |           |               |                | 1              |             | 1        | 3               |
| Do.....                    | Apr. 23     |                       | 133                           | 9             |         |          |               |           |               |                |                |             | 1        | 3               |
| Frankfort on the Main..... | Apr. 15     | 414,800               | 108                           |               |         |          |               |           |               |                | 2              | 1           | 1        | 1               |
| Georgetown.....            | do          | 315,000               | 51                            | 4             |         |          |               |           |               | 1              |                |             |          |                 |
| Do.....                    | Apr. 22     |                       | 45                            | 2             |         |          |               |           |               | 3              |                |             |          |                 |
| Ghent.....                 | do          | 165,965               | 39                            | 4             |         |          |               |           |               | 1              |                |             |          | 1               |
| Gibraltar.....             | Apr. 23     | 27,460                |                               | 10            |         |          |               |           |               |                |                |             |          |                 |
| Glasgow.....               | Apr. 28     | 897,178               | 278                           |               |         |          |               |           |               |                | 1              | 3           | 3        | 28              |
| Gothenberg.....            | Apr. 22     | 165,400               | 58                            | 16            |         |          |               |           |               |                |                | 2           | 1        | 1               |
| Guadalajara.....           | Apr. 29     | 118,799               | 73                            |               |         |          |               |           |               |                | 2              |             |          |                 |
| Hamburg.....               | Apr. 22     | 932,166               | 323                           | 29            |         |          |               |           |               | 1              | 4              | 18          | 5        | 1               |
| Havre.....                 | do          | 132,430               | 62                            | 15            |         |          |               |           |               |                |                | 1           |          |                 |
| Hongkong.....              | Apr. 1      | 336,488               |                               |               |         |          |               | 10        |               |                |                |             |          |                 |
| Hull.....                  | Apr. 22     | 284,502               | 97                            |               |         |          |               |           |               | 1              |                |             | 5        | 3               |
| Iquique.....               | Mar. 11     | 38,382                |                               | 5             | 1       |          |               |           |               |                |                |             |          |                 |
| Do.....                    | Mar. 18     |                       |                               | 5             | 2       |          |               |           |               |                |                |             |          |                 |
| Do.....                    | Mar. 25     |                       |                               | 6             |         |          |               |           |               | 1              |                |             |          |                 |
| Do.....                    | Apr. 1      |                       |                               | 4             | 1       |          |               |           |               | 1              |                |             |          |                 |
| Do.....                    | Apr. 8      |                       |                               | 6             |         |          |               |           |               | 1              |                |             |          |                 |
| Do.....                    | Apr. 15     |                       |                               | 7             | 1       |          |               |           |               |                |                |             |          |                 |
| Kharput.....               | Apr. 8      | 21,000                | 4                             |               |         |          |               |           |               | 1              |                |             | 3        |                 |
| Do.....                    | Apr. 15     |                       |                               |               |         |          |               |           |               |                |                |             | 2        |                 |
| Konigsberg.....            | Apr. 22     | 246,000               | 88                            | 11            |         |          |               |           |               |                |                | 1           |          |                 |
| Leeds.....                 | do          | 498,027               | 130                           | 10            |         |          |               |           |               |                |                | 4           | 4        | 5               |
| Do.....                    | Apr. 29     |                       | 115                           | 8             |         |          |               |           |               |                | 1              | 1           | 1        | 2               |
| Liege.....                 | Apr. 1      | 174,768               | 48                            | 6             |         |          |               |           |               |                |                |             |          | 1               |
| Do.....                    | Apr. 8      |                       | 55                            | 4             |         |          |               |           |               |                |                |             | 1        |                 |
| Leipzig.....               | Apr. 22     | 585,743               | 174                           | 23            |         |          |               |           |               | 4              |                |             |          |                 |
| Liverpool.....             | do          | 774,951               | 319                           | 26            |         |          |               |           |               |                |                | 3           | 1        | 3               |
| Leith.....                 | do          | 87,826                | 116                           | 3             |         |          |               |           |               |                |                | 1           | 14       | 10              |
| Madras.....                | Apr. 8      | 550,000               | 389                           |               |         |          |               | 19        |               |                |                |             | 7        |                 |
| Manchester.....            | Apr. 22     | 631,533               | 226                           | 33            |         |          |               |           |               |                | 1              | 3           | 15       | 6               |
| Mexico.....                | Apr. 1      | 500,000               | 441                           | 21            |         |          |               | 12        | 38            |                |                | 1           | 3        | 8               |
| Monterey.....              | Apr. 30     | 100,000               | 52                            | 5             |         |          |               |           |               |                | 4              |             | 2        |                 |
| Montreal.....              | May 6       | 450,000               | 149                           | 15            |         |          |               |           |               | 6              | 2              | 1           |          | 2               |

## MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

| Cities.                       | Week ended— | Estimated population. | Total deaths from all causes. | Deaths from—  |         |          |               |           |               |                |                |             |          |
|-------------------------------|-------------|-----------------------|-------------------------------|---------------|---------|----------|---------------|-----------|---------------|----------------|----------------|-------------|----------|
|                               |             |                       |                               | Tuberculosis. | Plague. | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Typhoid fever. | Scarlet fever. | Diphtheria. | Measles. |
| Moscow.....                   | Apr. 8      | 1,500,000             | 795                           | 121           | —       | —        | —             | 8         | 10            | 1              | 15             | 20          | 12       |
| Munich.....                   | Apr. 22     | 597,000               | 184                           | 33            | —       | —        | —             | —         | —             | 1              | 1              | 1           | 2        |
| Nantes.....                   | Apr. 23     | 161,908               | 86                            | 27            | —       | —        | —             | —         | —             | 1              | —              | —           | —        |
| Naples.....                   | do.         | 583,729               | —                             | 4             | —       | —        | —             | 8         | —             | —              | —              | 1           | —        |
| Newcastle-on-Tyne.....        | Apr. 22     | 280,360               | 96                            | 9             | —       | —        | —             | —         | —             | —              | —              | 1           | 4        |
| Nottingham.....               | Apr. 15     | 260,000               | 98                            | —             | —       | —        | —             | —         | —             | 1              | 7              | 1           | 2        |
| Paris.....                    | do.         | 2,846,986             | 1,023                         | 216           | —       | —        | —             | —         | —             | 3              | 3              | 5           | 32       |
| Do.....                       | Apr. 22     | —                     | 1,063                         | 217           | —       | —        | —             | —         | —             | 5              | 2              | 9           | 21       |
| Ottawa.....                   | Apr. 29     | 86,000                | 36                            | 4             | —       | —        | —             | —         | —             | —              | —              | —           | —        |
| Palermo.....                  | Apr. 22     | 360,000               | 150                           | 7             | —       | —        | —             | 2         | —             | 2              | —              | —           | 1        |
| Port Elizabeth.....           | Apr. 8      | 32,248                | 11                            | 2             | —       | —        | —             | —         | —             | —              | 1              | —           | —        |
| Prague.....                   | Apr. 22     | 235,556               | 100                           | 27            | —       | —        | —             | —         | —             | —              | —              | 1           | 1        |
| Quebec.....                   | May 6       | 85,000                | —                             | 4             | —       | —        | —             | —         | —             | 1              | —              | 2           | —        |
| Rangoon.....                  | Mar. 25     | 252,155               | 243                           | 10            | 21      | 2        | —             | 46        | —             | —              | —              | 1           | 1        |
| Do.....                       | Apr. 1      | —                     | 273                           | 6             | 28      | 3        | —             | 65        | —             | —              | —              | 1           | —        |
| Rotterdam.....                | Apr. 22     | 428,944               | 128                           | —             | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| Santa Cruz de Tenerife.....   | Apr. 15     | 46,000                | 17                            | 3             | —       | —        | —             | —         | 1             | —              | —              | —           | —        |
| Do.....                       | Apr. 22     | —                     | 10                            | 1             | —       | —        | —             | —         | 2             | —              | —              | —           | —        |
| Saigon.....                   | Mar. 12     | 206,000               | 8                             | —             | 3       | —        | —             | 5         | —             | —              | —              | —           | —        |
| Do.....                       | Mar. 19     | —                     | 10                            | —             | —       | —        | —             | 10        | —             | —              | —              | —           | —        |
| Do.....                       | Mar. 26     | —                     | 9                             | —             | —       | —        | —             | 9         | —             | —              | —              | —           | —        |
| Do.....                       | Apr. 2      | —                     | 12                            | —             | 2       | 3        | —             | 7         | —             | —              | —              | —           | —        |
| St. John's, Newfoundland..... | Apr. 22     | 31,000                | —                             | —             | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| St. Petersburg.....           | Apr. 8      | 1,907,708             | 761                           | 156           | —       | —        | —             | 5         | 7             | 8              | 13             | 13          | 6        |
| San Luis Potosi.....          | do.         | 82,964                | 87                            | 6             | —       | —        | —             | 3         | 1             | 2              | —              | 6           | 2        |
| Santiago de Cuba.....         | Apr. 29     | 53,614                | 19                            | 4             | —       | —        | —             | —         | —             | 1              | —              | —           | —        |
| Shanghai.....                 | Mar. 26     | 492,000               | 141                           | 17            | —       | —        | —             | 9         | —             | 3              | —              | 1           | —        |
| Do.....                       | Apr. 2      | —                     | 127                           | 12            | —       | —        | —             | 8         | —             | —              | —              | 2           | —        |
| Do.....                       | Apr. 9      | —                     | 120                           | 13            | —       | —        | —             | 2         | —             | —              | —              | 1           | —        |
| Sheffield.....                | Apr. 15     | 472,000               | 151                           | 12            | —       | —        | —             | —         | 1             | 1              | —              | 15          | —        |
| Do.....                       | Apr. 22     | —                     | 132                           | 8             | —       | —        | —             | —         | —             | —              | —              | 1           | 15       |
| Singapore.....                | Mar. 18     | 271,060               | 172                           | 22            | —       | —        | —             | 5         | —             | —              | —              | 1           | —        |
| Do.....                       | Mar. 25     | —                     | 174                           | 20            | 1       | —        | —             | 2         | —             | —              | —              | —           | —        |
| Southampton.....              | Apr. 15     | 129,667               | 32                            | 3             | —       | —        | —             | —         | —             | —              | —              | —           | 1        |
| Do.....                       | Apr. 21     | —                     | 40                            | 8             | —       | —        | —             | —         | —             | 1              | 2              | —           | —        |
| Do.....                       | Apr. 29     | —                     | 31                            | 5             | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| Stettin.....                  | Apr. 15     | 234,033               | 76                            | 8             | —       | —        | —             | —         | —             | 1              | 1              | —           | —        |
| Do.....                       | Apr. 22     | —                     | 78                            | 13            | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| Stockholm.....                | Apr. 8      | 341,816               | 95                            | 8             | —       | —        | —             | —         | —             | 1              | —              | —           | 1        |
| Do.....                       | Apr. 15     | —                     | 93                            | —             | —       | —        | —             | —         | —             | 1              | 2              | 1           | 2        |
| Swansea.....                  | do.         | 112,140               | 39                            | —             | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| Talcahuana.....               | Apr. 8      | 28,000                | —                             | 2             | —       | —        | —             | —         | 1             | —              | —              | 1           | —        |
| Do.....                       | Apr. 15     | —                     | 2                             | —             | —       | —        | —             | —         | 1             | —              | —              | —           | 2        |
| Tampico.....                  | Apr. 20     | 24,253                | 52                            | 4             | —       | —        | —             | 1         | —             | —              | —              | 2           | —        |
| Do.....                       | Apr. 30     | —                     | 43                            | 6             | —       | —        | —             | —         | —             | —              | —              | 2           | —        |
| Tientsin.....                 | Apr. 8      | 465,000               | 18                            | 7             | —       | —        | —             | —         | —             | —              | —              | —           | 1        |
| Trieste.....                  | do.         | 229,499               | 139                           | —             | —       | —        | —             | —         | —             | —              | —              | 1           | 4        |
| Do.....                       | Apr. 15     | —                     | 109                           | —             | —       | —        | —             | —         | —             | 1              | —              | 3           | 1        |
| Do.....                       | Apr. 22     | —                     | 109                           | —             | —       | —        | —             | 1         | 1             | —              | —              | 1           | 2        |
| Tsingtan.....                 | Apr. 8      | —                     | —                             | —             | —       | —        | —             | —         | 1             | —              | —              | —           | —        |
| Turin.....                    | Apr. 1      | 401,555               | 181                           | 15            | —       | —        | —             | —         | —             | —              | —              | —           | —        |
| Do.....                       | Apr. 8      | —                     | 137                           | 17            | —       | —        | —             | —         | 3             | —              | —              | —           | 1        |
| Do.....                       | Apr. 15     | —                     | 134                           | 19            | —       | —        | —             | —         | —             | 1              | —              | —           | —        |
| Valencia.....                 | do.         | 215,637               | 103                           | 6             | —       | —        | —             | 1         | —             | —              | —              | 1           | —        |
| Do.....                       | Apr. 22     | —                     | 102                           | 3             | —       | —        | —             | 1         | —             | —              | —              | —           | —        |
| Victoria.....                 | do.         | 40,000                | 10                            | —             | —       | —        | —             | —         | 1             | —              | —              | —           | —        |
| Vienna.....                   | Apr. 8      | 2,031,498             | 653                           | 104           | —       | —        | —             | —         | 1             | 5              | 3              | 4           | 5        |
| Do.....                       | Apr. 15     | —                     | 688                           | 115           | —       | —        | —             | —         | —             | 4              | 3              | 9           | 1        |
| Vigo.....                     | Apr. 8      | 40,000                | 22                            | 2             | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| Do.....                       | Apr. 15     | —                     | 20                            | 2             | —       | —        | —             | —         | 3             | —              | —              | 3           | —        |
| Do.....                       | Apr. 22     | —                     | 17                            | 1             | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| Vladivostok.....              | Mar. 21     | 28,896                | 22                            | 2             | —       | —        | —             | 1         | —             | 1              | 2              | —           | —        |
| West Hartlepool.....          | Apr. 22     | 66,750                | 22                            | —             | —       | —        | —             | —         | —             | —              | —              | —           | —        |
| Winnipeg.....                 | do.         | 135,000               | 34                            | —             | —       | —        | —             | —         | —             | 6              | 1              | —           | —        |
| Do.....                       | Apr. 29     | —                     | 24                            | —             | —       | —        | —             | —         | 2             | 3              | 3              | —           | —        |
| Yokohama.....                 | Apr. 10     | 419,630               | —                             | —             | —       | —        | —             | —         | —             | —              | —              | 3           | —        |
| Do.....                       | Apr. 17     | —                     | —                             | —             | —       | —        | —             | —         | —             | —              | —              | 1           | —        |
| Zanzibar.....                 | Mar. 31     | 75,000                | 24                            | 7             | —       | —        | —             | 1         | —             | —              | —              | —           | —        |



**MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES**  
(untabulated).

**ALGERIA—Algiers.**—Month of March, 1911. Population, 170,029. Total number of deaths from all causes 398, including measles 1, smallpox 1, tuberculosis 51, typhoid fever 8.

**ARGENTINA—Rosario.**—Month of February, 1911. Population, 200,433. Total number of deaths from all causes 340, including smallpox 3, tuberculosis 31, typhoid fever 14.

**AUSTRALIA—Brisbane.**—Month of February, 1911. Population, 119,428. Total number of deaths from all causes 103, including tuberculosis 10, typhoid fever 3.

**BRITISH BURMA—Rangoon.**—Month of January, 1911. Population, 289,432. Total number of deaths from all causes 784, including cholera 3, measles 2, plague 18, smallpox 16, tuberculosis 38, typhoid fever 2.

Month of February, 1911. Total number of deaths from all causes 889, including cholera 2, measles 4, plague 53, smallpox 72, tuberculosis 23, typhoid fever 1.

**CANADA—Hamilton.**—Month of April, 1911. Population, 75,000. Total number of deaths from all causes 120, including scarlet fever 6, tuberculosis 10.

**Vancouver.**—Month of March, 1911. Population, 125,000. Total number of deaths from all causes 100, including scarlet fever 4, tuberculosis 12, typhoid fever 1.

**GREAT BRITAIN.**—Week ended April 22, 1911.

**England and Wales.**—The deaths registered in 77 great towns correspond to an annual rate of 15.4 per 1,000 of the population, which is estimated at 17,160,256.

**Ireland.**—The deaths registered in 21 principal town districts correspond to an annual rate of 22 per 1,000 of the population, which is estimated at 1,163,596. The lowest rate was recorded at Wexford, viz, 4.7, and the highest at Newry, viz, 37.8, per 1,000.

**Scotland.**—The deaths registered in 8 principal towns correspond to an annual rate of 16.7 per 1,000 of the population which is estimated at 1,917,875. The lowest rate was recorded at Aberdeen, viz, 10, and the highest at Greenock, viz, 27.4, per 1,000. The total number of deaths from all causes was 612, including diphtheria 6, measles 7, scarlet fever 2.

**ITALY—Genoa.**—Two weeks ended April 15, 1911. Population, 279,163. Total number of deaths from all causes 231, including diphtheria 2, measles 4, tuberculosis 26.

**JAPAN—Formosa.**—Two weeks ended April 1, 1911. Population, 3,290,186. Total number of deaths from all causes not reported. The deaths include diphtheria 1, plague 10, typhoid fever 1.

SIAM—*Bangkok*.—Four weeks ended March 18, 1911. Population, 600,000. Total number of deaths from all causes not reported. The deaths from contagious diseases include cholera 217, smallpox 9, plague 14.

SOUTH AFRICA—*Johannesburg*.—Two weeks ended April 1, 1911. Population, 220,304. Total number of deaths from all causes 190, including measles 2, scarlet fever 2, smallpox 6, tuberculosis 21, typhoid fever 4.

SPAIN—*Huelva*.—Month of March, 1911. Population, 28,335. Total number of deaths from all causes 50, including tuberculosis 9, typhoid fever 1.

TAHITI.—Four weeks ended April 14, 1911. Population, 4,000. Total number of deaths from all causes 9, including tuberculosis 1.

TURKEY—*Saloniki*.—Four weeks ended April 13, 1911. Population, 200,000. Total number of deaths from all causes 121, including tuberculosis 27, typhoid fever 2.

TURKS ISLANDS.—Two weeks ended April 29, 1911. Population, 1,800. Total number of deaths from all causes 5. No contagious diseases.

URUGUAY—*Montevideo*.—Month of February, 1911. Population, 321,224. Total number of deaths from all causes 439, including diphtheria 1, measles 2, smallpox 3, tuberculosis 65, typhoid fever 10.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

*United States Public Health and Marine-Hospital Service.*